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PESTICIDES DOCUMENTATION BULLETIN

Volume 5
February 14, 1969
Number 4

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

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Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

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In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

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The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
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ACKNOWLEDGMENT

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Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)

	Page
10 ENTOMOLOGY	1
Systematics	1
Physiology and Biochemistry	3
Genetics	10
Medical Entomology	11
20 CROP PROTECTION	11
Diseases	11
Arthropods	15
Nematodes	17
Weeds	17
Other Pests	18
30 LIVESTOCK PROTECTION	18
Diseases	18
Arthropods	21
Parasites	22
40 COMMODITY PROTECTION	23
Storage Diseases	23
Arthropods	23
Rodents and Other Pests	*
Microbial Contamination	*
50 ENVIRONMENTAL CONTAMINATION	23
55 RESIDUES	23
60 TOXICOLOGY	25
65 PLANT PHYSIOLOGY & BIOCHEMISTRY	25
70 CHEMISTRY	26
80 ENGINEERING	26
90 INDUSTRY	*
Economics	*
Education	*
Regulations	*
SUBJECT INDEX	29
BIOGRAPHICAL INDEX	93
AUTHOR INDEX	101
ORGANIZATIONAL INDEX	105

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1857-69
MODIFIED CONTAINER FOR STUDY OF PHOTOPERIODISM.
V E Adler
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R M Coan
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R L Harris J A Miller
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J-F Aubert
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S Breuning
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O Heikinheimo
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W Huther
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M Josifov
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Heteroptera, Insect collection, Insect taxonomy. Polish and Russian summary. description of 55 species.

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SOME REMARKS CONCERNING SPHINX MOTHS CATCHES ON THE ISLAND OF SUMATRA. SUPPLEMENTARY INFORMATION CONCERNING THE KNOWLEDGE OF SPHINX MOTHS (II) (LEP. SPHINGIDAE). (GE)
K Kernbach West Germany Berlin
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Insect collection, Insect taxonomy, Sphingidae, Zoogeography. Description of 8 species.

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K T Khalaf
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D A Krivolutsky
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A Z Lehrer
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E Lindqvist
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G Lugetti P Tongiorgi
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M R Mackay
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M J Mackerras
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S Mahunka
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R Martins
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Cerambycidae, Insect taxonomy. English summary. 12 species are discussed

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L Masner
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W Meier
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Aphididae, Insect biology, Insect morphology, Insect taxonomy, Plant hosts. English summary.

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M Nunberg
Pol Akod Nouk Inst Zool Ann Zool 25(6):373-380
10 Jan 1968 410.9 W26
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A NEW SPECIES OF HETEROCERINI (COLEOPTERA: HETEROCERIDAE).
F Pacheco
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J D Pinto
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Jan 1969 Z5055.U49D53
Insect anatomy, Insect identification, Insect taxonomy, Meloe, Meloidae, Sex behavior.

The new species identified are meloe bitoricollis, m.campanicollis, m.dianella, m.exiguus, m.nebulosus, m.vandykei. the species recognized in the new world are divided among three subgenera, meloe, treiodous, eurymeloe.

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ON SOME STENINAE FROM THE HELSINKI ZOOLOGICAL MUSEUM (COLEOPTERA, STAPHYLINIDAE). (43. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE). (GE)
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Catalogs, Insect taxonomy, Staphylinidae, Zoogeography.

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D R Ragge R Roy
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Apr 1967 515 D14
Insect identification, Insect taxonomy, Mantis religiosa, Zoogeography. French summary. 73 species are discusses.

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WING MICRO-SCULPTURING IN TERMITE GENERA ODONTOTERMES, HYPOTERMES AND MICROTERMES (TERMITIDAE: MACROTERMITINAE) AND ITS TAXONOMIC VALUE.
M L Roonwall O B Chhotani
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Insect morphology, Insect taxonomy, Termitidae, Wings (insects).

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L G Sarlet
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W Sauter G Sobrio
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20 Jul 1967 420 SW6
Insect taxonomy, Light traps, Noctuidae, Zanclognatha tenuialis, Zoogeography.

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THE BARK BEETLES OF GREECE AND CYPRUS. (249. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA). (GE)
K E Schedl

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Insect morphology, Insect taxonomy, Scolytidae.

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G G E Scudder A C Eyles
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AQUATIC INSECT FAUNA OF BROWNSEA ISLAND AND THE ISLE OF PURBECK, DORSET.
M W Service
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H Silfverberg
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Coleoptera, Zoogeography.

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AN OLD FIND OF ENTOMOTROGUS MEGATOMOIDES RTT. (COLEOPTERA, DERMESTIDAE) FROM FINLAND. (SW)
H Silfverberg
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Dermestidae, Insect taxonomy.

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REVISION OF AFRICAN REDUVIIDAE. II. HARPACTORINAE. GENUS NAGUSTA STAL. (FR)
A Villiers
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Apr 1967 515 D14
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E Wagner
Deut Entomol Ges Mitt 26(4):61-65
15 Oct 1967 420 D482
Insect taxonomy, Miridae.

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TWO NEW ORTHOPS-SPECIES FROM NORTH AFRICA (HETEROPTERA, MIRIDAE). (GE)
E Wagner
Notulae Entomol 47(2):57-60
1967 421 N84
Insect taxonomy, Miridae.

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T G Amos F L Waterhouse N A Chetham
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15 Jan 1968 475 EX7
Cadra cautella, Demography, Insect behavior, Insect population statistics, Temperature, Tribolium castaneum.

1918-69
THE MORPHOLOGICAL BASIS OF EMBRYONIC MOVEMENTS IN THE LIGHT BROWN APPLE MOTH, EPIPHYAS POSTVITTANA (WALK.) (LEPIDOPTERA: TORTRICIDAE).
D T Anderson E C Wood
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Nov 1968 410 AU73
Embryology, Epiphyas postvittana, Insect morphology, Metamorphosis.

1919-69
CELLULAR AND EXTRACELLULAR ACTIVITIES IMPLEMENTING SELECTIVE ASSIMILATION OF YOLK PROTEINS BY CECROPIA OOCYTES.
L M Anderson
Diss Abstr Sect B 29(7):2675B
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Autoradiography, Electron microscopy, Histidine, Hyalophora cecropia, Insect eggs, Oogenesis, Proteins, Serum, Yolk sac.

1920-69
STANDARDIZED PROCEDURES ADOPTED FOR COOPERATIVE OHIO VALLEY STATES ALFALFA WEEVIL RESEARCH.
E J Armbrust H D Niemczyk B C Pass M C Wilson
J Econ Entomol 62(1):250-251
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Hypera postica, Insect pests, Plant protection, Research.

1921-69
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B Baccetti G Lazzeroni
Redia (SER 2)50:351-363 REF
1967 421 R241
Chelonethida, Electron microscopy, Gastrointestinal system, Insect physiology. English summary

1922-69
STRUCTURE AND FUNCTION OF THE RECTAL PADS IN HYMENOPTERA.
J Bahadur K K Reddy
Zool Anz 178(3-4,MAR-APR):262-268 REF
Apr 1967 410 Z7
Hymenoptera, Insect histology, Insect morphology, Insect physiology, Rectum.

1923-69
INFLUENCE OF CHANGES IN THE COTTON PLANT DURING THE SEASON ON THE FEEDING, OVIPOSITION, AND DEVELOPMENT OF THE BOLL WEEVIL.
J C Bailey F G Maxwell J N Jenkins
J Econ Entomol 62(1):239-242
17 Feb 1969 421 J822
Anthonomus grandis, Antibiosis, Cotton, Crop varieties, Diet, Feeding, Insect behavior, Insect morphology, Oviposition, Plant pest resistance, Stimulants.

1924-69
TRAPPING FOR CONTROL OF THE MEXICAN FRUIT FLY IN MANGO AND CITRUS GROVES.
J W Balock F Lopez
J Econ Entomol 62(1):53-56
17 Feb 1969 421 J822
Anastrepha ludens, Attractants, Baits, Borax, Hydrolysates, Insect control, Insect traps, Mangoes, Oranges, Tephritidae.

1925-69
EFFECTS OF MALATHION ON THE HISTOPHYSIOLOGY OF MALPIGHIAN TUBULES OF PERIPLANETA AMERICANA (LINN.), DICTYOPTERA.
N Banerjee D N Raychaudhuri
Zool Anz 178(1-2,JAN-FEB):74-81 REF
Feb 1967 410 Z7
Insect histology, Insect physiology, Insecticides, Malathion, Malpighian tubes, Periplaneta americana.

1926-69
ADAPTATIONS TO TEMPERATURE IN GEOGRAPHIC RACES OF THE QUEENSLAND FRUIT FLY DACUS (STRUMETA) TYRONI.
M A Bateman
Australian J Zool 15(67:1141-1161 MAP REF
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Dacus tryoni, Fertility, Insect adaptation, Insect ecology, Temperature.

1927-69
INFLUENCE OF MOISTURE CONTENT OF BOVINE FECES ON OVIPOSITION AND DEVELOPMENT OF THE FACE FLY.
D E Bay C W Pitts G Ward
J Econ Entomol 62(1):41-44
17 Feb 1969 421 J822
Cattle, Diet, Feces, Food moisture, Insect behavior, Musca autumnalis, Oviposition, Reproduction.

1928-69
DESCRIPTION AND DISTRIBUTION OF THE NEUROSECRETORY CELLS IN BRAIN AND VENTRAL GANGLIA OF LETHOCERUS INDICUM LEP. ET SERV. (HETEROPTERA-BELOSTOMATIDAE).
S Bhargava
Zool Anz 179(3-4,SEP-OCT):272-285
Oct 1968 410 Z7
Insect histology, Insect neurophysiology, Lethocerus, Nervous system, Neurosecretion.

1929-69
STUDIES ON THE MORPHOLOGY OF LETHOCERUS INDICUM LEP. AND SERV. (HEMIPTERA--HETEROPTERA--CRYPTOCERATA-BELOSTOMATIDAE). PART V. THE MORPHOLOGY OF THE STOMODEAL NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE HISTOLOGY OF THE CORPORA CARDIACA AND ALLATA.
S Bhargava
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Corpora allata, Corpora cardiaca, Insect histology, Insect morphology, Lethocerus, Nervous system.

1930-69
THE ANATOMY AND PHYSIOLOGY OF THE MORABINE GRASSHOPPERS. III. MUSCLES, NERVES, TRACHEAE, AND GENITALIA.
R E Blackith R M Blackith
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Acrididae, Insect morphology, Insect physiology, Muscles, Nervous system, Reproductive organs.

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COMPARATIVE CHROMATOGRAPHIC INVESTIGATIONS OF ARTHROPOD COCOONS. (GE)
R Blaich W Rupprecht
Naturwissenschaften 55(6):300-301
Jun 1968 474 N213
Biochemistry, Chromatography, Lasiocampidae, Noctuidae, Pupal cases, Saturniidae.

Pupal cases of four families, Lasiocampidae, Saturniidae, Zygaenidae and Noctuidae, of Lepidoptera were compared by amino acid chromotography.

1932-69
PRE-BLOOM OIL SPRAYS FOR EUROPEAN RED MITE CONTROL.
M L Bobb
J Econ Entomol 62(1):94-95
17 Feb 1969 421 J822
Chemical control (insects), Insect eggs, Insecticide application, Insecticides, Oils, Panonychus ulmi, Petrolcum, Spraying.

1933-69
THE FUNCTION OF THE ACCESSORY SEX GLANDS IN PERIPLANETA AMERICANA (L.), I. A QUANTITATIVE BIOASSAY FOR THE JUVENILE HORMONE.
D Bodenstein E Shaaya
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Biological assay, Insect physiology, Juvenile hormone, Periplaneta americana, Reproductive organs.

1934-69
REPORT OF THIRD WORK CONFERENCE ON THE USE OF NUCLEARPOLYHEDROSIS VIRUS FOR CONTROL OF HELIOTHIS SPECIES.
H R Bullock
Entomol Soc Amer Bull 14(4):284
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Biological assay, Biological control (insects), Conferences, Heliothis, Insect diseases, Nuclear polyhedrosis virus, Reports, Virus diseases (insects).

1935-69
BAYGON IN FIELD TESTS AGAINST GERMAN COCKROACHES.
G S Burden B J Smittle
J Econ Entomol 62(1):262-263
17 Feb 1969 421 J822
Blattella germanica, Buildings, Chemical control (insects), Insecticide residues, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Spraying.

1936-69
BEHAVIORAL AND PHYSIOLOGICAL ASPECTS OF MATING AND OVIPOSITION BY THE ADULT WESTERN CORN ROOTWORM, DIABROTICA VIRGIFERA LECONTE.
M D Cates
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Corn, Diabrotica virgifera, Experimental insects, Insect collecting equipment, Insect physiology, Insect rearing, Ovulation, Sex attractants, Temperature.

1937-69
THE DISTRIBUTION OF RADIOACTIVE STRONTIUM, CESIUM AND IODINE IN THE BODIES OF SOME INSECTS. (IT)
R Cavalloro U Cirio
Redio (SER 2)50:187-196 REF
1967 421 R241
Biochemistry, Cesium isotopes, Coleoptera, Fat body, Hymenoptera, Insect physiology, Intestines, Iodine isotopes, Lepidoptera, Orthoptera, Radioisotopes, Strontium isotopes. English summary.

1938-69
HINTS ON THE PERMANENT REARING OF DACUS OLEAE GMELIN (DIPTERA, TYRPETIDAE)IN THE LABORATORY. (IT)
R Cavalloro
Redio (SER 2)50:337-344
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Antisepsis, Dacus oleae, Humidity, Insect cages, Insect nutrition, Insect rearing, Photoperiodism, Temperature. English summary. publication no. 357 of the EURATOM biology division

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A NOTE ON THE OUTBREAK OF THE BOMBAY LOCUST, PATANGA SUCCINCTAL, CYRTACANTHACRINAE, ACRIDIDAE, IN THE LACCADIVE ISLANDS DURING 1967.
H Chandra M V Venkatesh
Plont Protect Bull 19(3):32-35
1967 421 P69
Acrididae, Crops, Insect outbreaks, Insect pests, Patanga, Plant injuries.

1940-69
SEPARATION OF THE FREE NINHYDRIN-POSITIVE FRACTIONS IN PHORMIA AND DROSOPHILA USING TWO-DIMENSIONAL HIGH VOLTAGE ELECTROPHORESIS. (GE)
P S Chen E Kubli F Hanimann
Rev Suisse Zool 75(3):509-523 REF
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Chromatography, Drosophila melanogaster, Electrophoresis, Ninhydrin reaction, Peptides, Phormia regina, Tables (data). English and French summaries.

1941-69
ENERGY METABOLISM IN INSECTS. (JA)
H Chino
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Jan 1968 410.9 T57
Insect physiology, Insects, Metabolism.

1942-69
THE RESIDUAL CONTACT TOXICITY TO HONEY BEES OF INSECTICIDES SPRAYED ON TO WHITE CLOVER (TRIFOLIUM REPENS L.) IN THE LABORATORY.
P G Clinch
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Apis mellifera, Chlorinated hydrocarbons, Insecticide residues, Insecticides, Organophosphorus insecticides, Toxicity, White clover.

1943-69
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. II. RESPONSE TO ATTRACTIVE HOST MATERIAL.
J E Coster R I Gara
Boyce Thompson Inst Contrib 24(4,JUL-SEP):69-75 REF
1968 451 B69
Attractants, Dendroctonus frontalis, Density, Forest insects, Insect behavior, Insect dissemination, Insect pests, Olfactometers, Scolytidae.

1944-69
A BIBLIOGRAPHY OF THE ALFALFA WEEVIL, HYPERA POSTICA (GYLLENHAL) SUPPLEMENT 1.
W R Cothran
Entomol Soc Amer Bull 14(4):285-288 REF
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Bibliography, Hypera postica, Insect biology, Insect control, Zoogeography.

1945-69
ATTRACTION OF FEMALE BOLL WEEVILS TO TRAPS BAITED WITH MALES OR EXTRACTS OF MALES.
W H Cross D D Hardee F Nichols H C Mitchell E B Mitchell P M Huddleston J H Tumlinson
J Econ Entomol 62(1):154-161 REF
17 Feb 1969 421 J822
Anthonomus grandis, Attractants, Baits, Extracts, Insect collecting equipment, Insect traps, Phermones.

1946-69
THE ACCLIMATIZATION OF ZONABRIS VARIABILIS PALL. (COLEOPTERA, MELOIDAE) IN SARDINIA, 20 YEARS AFTER ITS INTRODUCTION. (IT)
A Crovetti
Redio (SER 2)50:121-133 MAP REF
1967 421 R241
Biological control (insects), Insect acclimatization, Meloidae, Orthoptera, Predaceous insects. English summary.

1947-69
SEXUAL STERILIZATION OF SCREW-WORM FLIES: RELIABILITY OF THE CHEMOSTERILANT TECHNIQUE.
M M Crystal
J Econ Entomol 62(1):136-139 REF
17 Feb 1969 421 J822
Biological control (insects), Chemical control (insects), Chemosterilants, Cochliomyia hominivorax, Experimental insects.

1948-69
THE ANAL GLANDS OF GRYLLOTALPA GRYLLOTALPA L. ULTRASTRUCTURE AND HISTOCHEMISTRY. (IT)
R Dallai G Melis
Redio (SER 2)50:197-207 REF
1967 421 R241
Anal gland, Gryllotalpa gryllotalpa, Histochemistry, Insect physiology, Mucoids, Secretion, Ultrastructure. English summary.

1949-69
VARIATIONS OF NUCLEIC ACID CONTENT IN THE SALIVARY GLANDS OF DROSOPHILA HYDEI DURING LATE LARVAL DEVELOPMENT.
G A Danieli E Rodino
Experientio 24(1):89-90 REF
15 Jan 1968 475 EX7
Biochemistry, Development, Drosophila hydei, Larvae, Nucleic acids, Salivary glands (insects).

1950-69
PERFORMANCE OF LABORATORY-REARED AND ARTIFICALLY INSEMINATED HONEY BEE QUEENS.
A Dietz
J Econ Entomol 62(1):251-253
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Apis mellifera, Artificial insemination, Experimental insects, Feeding, Insect rearing, Social insects.

1951-69
STUDIES ON THE STRUCTURE OF THE HEAD, MOUTH-PARTS AND THEIR MUSCULATURE IN HIPPOBOSCA MACULATA LEACH (DIPTERA: PUPIPARA).
G S Dogra
Zool Anz 178(3-4,MAR-APR):224-236
Apr 1967 410 Z7
Head, Hippoboscidae, Insect morphology, Muscles.

1952-69
BIOLOGY AND COLONIZATION OF THE WINTER TICK IN THE LABORATORY.
R O Drummond T M Whetstone S E Ernst W J Gladney
J Econ Entomol 62(1):235-238 REF
17 Feb 1969 421 J822
Dermacentor albipictus, Experimental insects, Insect behavior, Insect biology, Social insects, Temperature.

1953-69
THE CONTROL OF SOME SPECIES OF PEST INSECTS BY BACILLUS THURINGIENSIS. (RUM)
I Duvlea Z Beratlief S Predescu V Corpade C Sirbu
Buchorest Inst Agron Timesooro Lucori Stiint 6:191-196
1963 106.4 T48
Aporia crataegi, Bacillus thuringiensis, Biological control (insects), Chemical control (insects), Coleoptera, Hyphantria cunea, Insect pests, Insecticide resistant insects, Lema melanopa, Lepidoptera, Leptinotarsa, Spraying, Tables (data). Russian and English summary.

1954-69
LIGHT-DARK ADAPTATION IN ACONE APPOSITION EYES OF INSECTS. (GE
M Eckert
Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):102-120 REF
1968 410 Z751Z
Eyes, Insect histology, Insect physiology, Light.

1955-69
A DEMONSTRATION THROUGH SYMBIOTIC MICROORGANISMS OF THE EFFECT OF STEROL SYNTHESIS IN ARTIFICIALLY FED APHIDS (HOMOPTERA, RHYNCHOTA, INSECTA). (GE)
P Ehrhardt
Experientio 24(1):82-83 REF
15 Jan 1968 475 EX7
Aphididae, Biochemistry, Insect metabolism, Insect nutrition, Sterols, Synthesis. English abstract

1956-69
SELECTION METHODS FOR PATHOGENIC FORMS OF MICROORGANISMS. (FR
A A Evlakhova O I Chvetzova
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1964 421 EN835M
Bacillus cereus, Bacteria, Beauveria bassiana, Biological control (insects), Cobalt isotopes, Galleria mellonella, Gamma rays, Insect diseases, Insecticides, Methodology, Microorganisms, X-rays. English summary.

1957-69
A REMARKABLE TICK FOUND ON A TARSIER (HETEROCOPTIDAE F. N.:SARCOPTIFORMES). (FR)
A Fain
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Feb 1967 410 Z7
Acarina, Insect taxonomy, Mammals, Sarcoptiformes.

1958-69
RONDONEMA THAPARI N. SP. FROM THE MILLIPEDE (SPIROSTREPTUS SP.).
M N Farooqui
Zool Anz 178(3-4,MAR-APR):297-300
Apr 1967 410 Z7
Catalogs, Morphology, Nematodes, Parasitic nematodes, Spirostreptidae, Taxonomy.

1959-69
ON A KNOWN AND SOME NEW SPECIES OF INSECT NEMATODES.
M N Farooqui
Zool Anz 178(3-4,MAR-APR):276-296 REF
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Catalogs, Host relationships, Insects, Morphology, Nematodes, Taxonomy.

1960-69
CONTROL TESTS AGAINST DACUS OLEAE GMEL. IN THE COASTAL REGION OF TUSCANY DURING 1965. (IT)
G A Fenili R Zocchi
Redio (SER 2)50:69-74
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Chemical control (insects), Dacus oleae, Dimethoate, Dosage, Insecticides, Menazon, Methoxychlor, Phosphates, Tables (data). English summary.

1961-69
OBSERVATIONS ON THE HISTO-MORPHOLOGY OF THE LABIAL GLANDS IN NEODIPRION SERTIFER GEOFFROY (HYMENOPTERA DIPRIONIDAE). (IT)
G A Fenili
Redio (SER 2)50:209-217 REF
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Deoxyribonucleic acid, Diprionidae, Histochemistry, Insect histology, Insect morphology, Insect physiology, Neodiprion sertifer, Ribonucleic acid, Salivary glands (insects). English summary.

1962-69
A FIELD TEST COMPARING RESISTANT VARIETIES PLUS APPLICATIONS OF POLYHEDRAL VIRUS WITH INSECTICIDES FOR CONTROL OF HELIOTHIS SPP. AND OTHER PESTS OF COTTON, 1967.
A T Fernandez H M Graham M J Lukefahr H R Bullock
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Cotton, Crop varieties, Ethyl parathion, Heliothis virescens, Heliothis zea, Insect pests, Integrated control (insects), Methyl parathion, Plant pest resistance, Polyhedroses, Virus diseases (insects).

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R F Flattum
Diss Abstr Sect B 29(7):2558B
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Degradation, Ganglion cells, Insect anatomy, Nervous system, Nicotine, Periplaneta americana, Pharmacology.

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DIFFERENTIAL SENSITIVITY OF THE LARVAE OF LYMANTRIA DISPAR L. TO ACHROMATIC STIMULI OF VARIED DISTINCTIVENESS. (IT)
G Flores d'Arcais W Capuzzo
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Insect physiology, Larvae, Light, Porthetria dispar.

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A COMPARISON AND EVALUATION OF RESIDUAL, ORAL AND TOPICAL TREATMENTS OF TEPA, TRIS (1-AZIRIDINYL) PHOSPHINE OXIDE, USED TO STERILIZE GERMAN COCKROACHES BLATTELLA GERMANICA (LINNAEUS).
A M Frishman
Diss Abstr Sect B 29(3):1051B
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Biological control (insects), Blattella germanica, Chemical control (insects), Chemosterilants, Dosage, Insecticide residues, Tepa.

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STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BETTLE. III. SEQUENCE OF TREE INFESTATION WITHIN STANDS.
R I Gara J E Coster
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Bark, Dendroctonus frontalis, Density, Forest insects, Insect behavior, Insect dissemination, Insect outbreaks.

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ON THE MECHANISM INVOLVED IN PERCEPTION OF LIGHT STIMULI DURING THE PHOTOPERIODIC REACTION IN LEPIDOPTERA CATERPILLARS. (TT 61-23975).
K F Geispits
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ALIPHATIC AMINES AGAINST INSECTICIDE-SUSCEPTIBLE AND RESISTANT STRAINS OF CULEX PIPIENS QUINQUEFASCIATUS AND ANOPHELES ALBIMANUS.
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J Econ Entomol 62(1):171-173 REF
17 Feb 1969 421 J822
Amines, Anopheles albimanus, Chemical control (insects), Culex pipiens quinquefasciatus, Insecticide resistant insects, Larvae, Susceptibility, Tolerances, Toxins.

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THE COMPARATIVE ECOLOGY OF TWO CLOSELY RELATED, SYMPATRIC SPECIES OF DACUS (DIPTERA) IN QUEENSLAND.
G W Gibbs
Austrolion J Zool 15(6):1123-1139 MAP REF
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Competition, Dacus neohumeralis, Dacus tryoni, Demography, Insect ecology.

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BIOLOGICAL NOTES ON SPILONOTA OCELLANA DENIS AND SCHIFFERMULLER (LEPIDOPTERA TORTRICIDAE) IN THE FOOTHILL REGION OF FRIULI AND PRELIMINARY INDICATIONS ON THE FACTORS ADVERSE TO ITS DEVELOPMENT. (IT)
V Girolami
Redio
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Apples, Biological control (insects), Insect behavior, Insect biology, Insect eggs, Insect pests, Larvae, Parasitism, Spilonota ocellana, Tortricidae, Trichogrammatidae, Zoogeography. English summary.

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THE FINE STRUCTURE OF THE CUTICLE. A CONTRIBUTION TO THE QUESTION OF THE PROTECTION AGAINST ITS OWN POISON OF THE MADEIRA ROACH. (GE)
A Gluud
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Aldehydes, Chitin, Cuticle, Insect histology, Insect physiology, Insect protective devices, Leucophaea maderae, Pentatomidae, Permeability, Poison glands.

1972-69
ON THE FINE STRUCTURE OF INSECT CUTICLE. A CONTRIBUTION TO THE QUESTION OF THE CHARACTERISTIC PROTECTION AGAINST TOXINS OF THE HEMIPTERA CUTICLE. (GE)
A Gluud
Zool Johrbucher Abt Allg Zool Physiol Tiere 85(2):191-227 REF
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Cuticle, Hemiptera, Insect biochemistry, Insect physiology, Insect protective devices, Permeability, Toxins.

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THE FEEDING OF THE MOLE CRICKET AND ITS EFFECT ON OUTBRECKS AND CONTROL. (GE)
D Godan
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Attractants, Caterpillars, Chemical control (insects), Gryllotalpa gryllotalpa, Hibernation, Insect behavior, Insect eggs, Insect nutrition, Insect pests, Proteins.

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POPULATION ASSESSMENT OF COTTON BOLLWORM IN RELATION TO PEST CONTROL PRACTICES.
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Cotton, Heliothis zea, Insect control, Insect pests, Larvae, Population, Statistical analysis.

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PRINCIPLES OF CROWDING EFFECT IN APHIS GOSSYPII GLOVER (APHIDIDAE, HOMOPTERA).
J Graham
Diss Abstr Sect B 29(3):1051B-1052B
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Aphis gossypii, Biological control (insects), Cotton, Growth factors, Homoptera, Insect behavior, Insect physiology, Population, Sex behavior, Stimulants, Temperature.

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DEVELOPMENT AND PERSPECTIVES OF BIOLOGICAL CONTROL. (FR)
P Grison
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Biological control (insects), Economics, Insect pests, Integrated control (insects), Public health. English summary.

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E Hadorn R Hurlimann G Mindek G Schubiger M Staub
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Abdomen, Drosophila melanogaster, Embryos, Insect cultures, Insect physiology, Larvae. English and French summary.

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BIOLOGICAL FACTORS INFLUENCING RESPONSES OF THE FEMALE BOLL WEEVIL TO THE MALE SEX PHEROMONE IN FIELD AND LARGE-CAGE TESTS.
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J Econ Entomol 62(1):161-165 REF
17 Feb 1969 421 J822
Anthonomus grandis, Attractants, Baits, Biological control (insects), Insect cages, Insect collecting equipment, Insect traps, Pheromones.

1979-69
THE EFFECT OF NUCLEASES AND NUCLEIC ACID SYNTHESIS INHIBITORS ON SIGMA VIRUS MULTIPLICATION IN DROSOPHILA MELANOGASTER.
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Actinomycin d, Carbon dioxide, Drosophila melanogaster, Insect diseases, Insect genetics, Mitomycins, Nucleases, Nucleic acids.

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DISPERSAL AND LOCAL DISTRIBUTION OF LABORATORY-REARED STERILE SCREW-WORM FLIES RELEASED IN WINTER.
B G Hightower A L Adams
J Econ Entomol 62(1):259-261 MAP
17 Feb 1969 421 J822
Cochliomyia hominivorax, Cold, Experimental insects, Insect dissemination, Insect flight, Insect rearing, Sterility, Temperature, Zoogeography.

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H E Hinton
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Coleoptera, Insect morphology, Larvae, Spiracles.

1982-69
THE STRUCTURE OF THE SPIRACLES OF THE CATTLE TICK, BOOPHILUS MICROPLUS.
H E Hinton
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Boophilus microplus, Electron microscopy, Insect histology, Insect morphology, Spiracles.

1983-69
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H E Hinton
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Electron microscopy, Insect morphology, Metamorphosis, Molting (insects), Scarabaeidae, Spiracles.

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K Horstmann
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Host relationships, Ichneumonidae, Insect morphology, Parasitism, Statistical analysis.

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M M Hosny
An Agr Sci 10(2):79-89 REF
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Insect behavior, Light traps, Macrolepidoptera, Population, Statistical analysis, Ultraviolet rays.

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FIELD AND LABORATORY STUDIES OF ATTRACTION OF THE SYNTHETIC SEX PHEROMONE TO MALE CABBAGE LOOPER MOTHS.
A F Howland J W Debolt W W Wolf H H Toba T Gibson A N Kishaba
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Attractants, Baits, Insect collecting equipment, Light traps, Pheromones, Research, Sex, Trichoplusia ni

1987-69
SPECIFICITY OF INSECT VIRUSES.
C M Ignoffo
Entomol Soc Amer Bull 14(4):265-276 REF
Dec 1968 423.9 EN8
Animals, Disease transmission, Granuloses, Immunity, Insect diseases, Insect vectors, Plant disease resistance, Polyhedroses, Symptomatology, Tables (data), Virus diseases (insects).

1988-69
AGGREGATION OF GERMAN COCKROACH (BLATTELLA GERMANICA) NYMPHS.
S Ishii Y Kuwahara
Experientio 24(1):88-89
15 Jan 1968 475 EX7
Attractants, Biochemistry, Blattella germanica, Demography, Insect population statistics, Larvae.

1989-69
CHANGES IN GLYCOGEN-, LIPID-, AND NITROGEN METABOLISM OF THE IMAGO OF PYRRHOCORIS APTERUS L. IN CONNECTION WITH THE REPRODUCTION PROCESS. (GE)
V Janda
Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):88-101 REF
1968 410 Z751Z
Glycogen, Insect metabolism, Insect reproduction, Lipids, Nitrogen, Pyrrhocoris apterus.

1990-69
ON THE ETHOMETRY OF SIGN STIMULI; THE THEORY OF THE TELOTACTIC CHOICE, AND THE POWER PRINCIPLE OF THE TERMINAL CUMULATION IN ARTHROPODS.
R Jander
Z Vergleichende Physiol 59(3):319-356 REF
1968 444.8 Z3
Arthropoda, Insect behavior, Insect ecology, Mathematical analysis, Stimuli, Tenebrio molitor, Vision. English summary.

1991-69
BIOLOGY OF THE FACE FLY: MIGRATION OF LARVAE.
C M Jones
J Econ Entomol 62(1):255-256
17 Feb 1969 421 J822
Insect behavior, Insect biology, Insect dissemination, Insect migration, Larvae, Musca autumnalis.

1992-69
STUDIES ON THE METAMORPHOSIS OF THE ALIMENTARY CANAL OF HYALOPHORA CECROPIA (L.).
K J Judy
Diss Abstr Sect B 29(7):2297B
Jan 1969 Z5055.U49D53
Gastrointestinal system, Hormones, Hyalophora cecropia, Insect histology, Insect morphology, Larvae, Metamorphosis.

1993-69
EFFECT OF RADIOFREQUENCY ELECTRIC FIELD TREATMENT ON PROTEIN METABOLISM IN YELLOW MEALWORM LARVAE.
A M Kadoum
J Econ Entomol 62(1):220-223
17 Feb 1969 421 J822
Amino acids, Biochemistry, Insect physiology, Larvae, Metabolism, Pest control, Proteins, Radioactivity, Tenebrio molitor.

1994-69
THE LIFE HISTORY OF TRIBOLIUM CASTANEUM (HERBST) (COLEOPTERA, TENEBRIONIDAE).
R P D Kapoor H S Chaudhry
Zool Anz 179(3-4,SEP-OCT):247-255 REF
Oct 1967 410 Z7
Insect morphology, Life cycle, Metamorphosis, Tribolium castaneum.

1995-69
THE POSSIBILITY OF THE OCCURRENCE OF WARM- AND COLD SEASON RELICTS ON THE ZITZMANNSDORF MEADOW AT THE NEUSIEDLER LAKE. (GE)
F Kasy
Arbeitsgemeinsch Osterr Entomol Z 19(1):24-27
Aug 1967 421 W633
Insect migration, Lepidoptera, Temperature, Zoogeography.

1996-69
FLIGHT AND GROUND COLLECTION RECORDS OF COSTELYTRA ZEALANDICA (WHITE) AT A SITE IN CANTERBURY, NEW ZEALAND.
J M Kelsey
New Zeolond J Sci 11(4):664-685
Dec 1968 514 N482
Costelytra zealandiea, Insect collection, Inseet populations, Statistical analysis, Surveys, Temperature, Weather.
Collections were taken of the grass grub beetle, Costelytra zealandica, through November and December for six years with electric filament lamps. The data is analyzed from both ground and flight collections and correlated with temperature and wind conditions.

1997-69
OVIPOSITION PREFERENCE BY COSTELYTRA ZEALANDICA (WHITE). II.
J M Kelsey
New Zeol J Agr Res 11(1):206-210
Feb 1968 23 N4892
Costelytra zealandica, Insect behavior, Oviposition, Pastures.

1998-69
DEVELOPMENTAL CHANGES IN THE LATE LARVA OF CALLIPHORA STYGIA. I. HAEMOLYMPH.
J F Kinnear M D Martin J A Thompson G J Neufeld
Australian J Biol Sci 21(5):1033-1045 REF
Oct 1968 442.8 AU72
Biochemistry, Calliphora stygia, Carbohydrates, Electrophoresis, Haemolymph, Insect morphology, Larvae, Lipids, Proteins.

1999-69
SUPPLEMENTARY INFORMATION ON KOREAN PSYLLIDAE. (HOMOPTERA PSYLLODEA). (GE)
S Klimaszewski
Polsko Akod Nouk Bull Ser Sci Biol 16(5):285-287
1968 512 W262
Insect anatomy, Insect identification, Psyllidae, Zoogeography.

2000-69
ENVIRONMENTAL FACTORS REGULATING THE DIURNAL VERTICAL MIGRATION OF CHAOBORUS LARVAE.
E J LaRow
Diss Abstr Sect B 29(7):2681B
Jan 1969 Z5055.U49D53
Chaoborus punctipennis, Diurnal rhythm, Environment, Insect migration, Larvae, Light, Temperature, Variance analysis.

2001-69
THE ROLE OF MOISTURE IN THE WINTER SURVIVAL OF THE BOLL WEEVIL COMPLEX IN ARIZONA.
J E Leggett R E Fye
J Econ Entomol 62(1):147-149
17 Feb 1969 421 J822
Anthonomus grandis, Equipment, Hibernation, Humidity, Insect physiology, Longevity, Oviposition, Soil temperature.

2002-69
MASS REARING TECHNIQUE OF RICE GALL MIDGE (PACHYDIPLOSIS ORYZAE WOODMASON) AND NOTES ON ITS BIOLOGY.
P Leuamsang A Bhandhufalck T Wongsiri

Int Rice Comm News Lett 17(1):34-42
Mar 1968 59.9 IN83N
Cecidomyiidae, Humidity, Insect biology, Insect pests, Insect physiology, Insect rearing, Pachydiplosis oryzae, Plant pest control, Rice, Tables (data).

2003-69
TRANSMISSION OF A MOSQUITO IRIDESCENT VIRUS IN AEDES TAENIORHYNCHUS. I. LABORATORY EXPERIMENTS.
J R Linley H T Nielsen
J Invertebrate Pathol 12(1):7-16
Oct 1968 421 J826
Aedes taeniorhynchus, Culicidae, Disease transmission, Experimental insects, Insect rearing, Iridescent virus, Larvae, Tables (data), Virus diseases (insects).

2004-69
TRANSMISSION OF A MOSQUITO IRIDESCENT VIRUS IN AEDES TAENIORHYNCHUS. II. EXPERIMENTS RELATED TO TRANSMISSION IN NATURE.
J R Linley H T Nielsen
J Invertebrate Pathol 12(1):17-24
Oct 1968 421 J826
Aedes taeniorhynchus, Culicidae, Disease transmission, Experimental insects, Insect rearing, Iridescent virus, Larvae, Tables (data), Virus diseases (insects).

2005-69
FLASHES OF PHOTURIS FIREFLIES: THEIR VALUE AND USE IN RECOGNIZING SPECIES.
J E Lloyd
Fla Entomol 52(1):29-35
Mar 1969 420 F662
Attractants, Insect behavior, Insect identification, Insect mating, Luminescence, Photuris, Time.

2006-69
THE PRESENCE WAXES IN TWO KINDS OF LAC CELLS.
S Mahdihassan
Zool Anz 180(5/6 MAY-JUN):442-454
1968 410 Z7
Cells, Insect anatomy, Insect morphology, Insect physiology, Kerria, Lac, Waxes.

2007-69
THE EMBRYONIC DEVELOPMENT OF THE BRAIN IN PAUROMETABOLIC INSECTS. A STUDY ON CARAUSIUS MOROSUS AND PERIPLANETA AMERICANA. (GE)
P Malzacher
Z Morphol Okolog Tiere 62(2):103-161 REF
22 Jul 1968 442.8 Z33
Brain, Carausius morosus, Embryogenesis, Insect anatomy, Insect morphology, Periplaneta americana. English summary.

2008-69
STUDIES ON THE PHYSIOLOGY OF THE FAT BODY OF PYRRHOCORIS APTERUS L.
J S Martin
Diss Abstr Sect B 29(3):1155B-1156B
Sep 1968 Z5055.U49D53
Chromatography, Fat body, Glycerides, Growth factors, In vitro, Insect physiology, Lipids, Oogenesis, Pyrrhocoris apterus, Tissue culture.

2009-69
ON THE FOOD UTILIZATION AND DIGESTION OF MAJOR FOOD NUTRIENTS IN THE LEPIDOATEROUS LARVAE FEEDING ON CAULIFLOWERS.
L M L Mathur
Zool Anz 178(1-2,JAN-FEB):82-89 REF
Feb 1967 410 Z7
Cauliflower, Food habits, Insect digestion, Insect metabolism, Larvae, Prodenia litura, Statistical analysis, Trichoplusia ni.

2010-69
MORPHOLOGY OF THE HEAD CAPSULE AND ITS APPENDAGES OF STENTHORUS GILVIFRONS MULSANT (COLEOPTERA: COCCINELLIDAE).
L M L Mathur
Zool Anz 179(3-4,SEP-OCT):264-271 REF
Oct 1967 410 Z7
Coccinellidae, Head, Insect morphology, Mouth parts.

2011-69
LINKAGE STUDIES OF ALDRIN RESISTANCE IN BLATTELLA GERMANICA (L.).
I C C McDonald
Diss Abstr Sect B 29(3):1053B
Sep 1968 Z5055.U49D53
Aldrin, Blattella germanica, Blattidae, DDT, Insect morphology, Insect mutation, Insecticides.

2012-69
LABORATORY EVALUATION OF SEVERAL NEW INSECTICIDES FOR CONTROL OF THE PALE WESTERN CUTWORM.
S McDonald
J Econ Entomol 62(1):30-35 REF
17 Feb 1969 421 J822
Agrotis orthogonia, Chemical control (insects), Dosage, Endrin, Experimental insects, Insecticides, Tables (data). 56 insecticides were evaluated.

2013-69
ISOLATION OF A SEX PHEROMONE OF THE CODLING MOTH.
L M McDonough D A George B A Butt M Jacobson G R Johnson
J Econ Entomol 62(1):62-65
17 Feb 1969 421 J822
Biochemistry, Biological assay, Carpocapsa pomonella, Chromatography, Extracts, Insect pests, Pheromones, Sex.

2014-69
ARTIFICIAL SEX PHEROMONES FOR THE CODLING MOTH.
L M McDonough D A George B A Butt
J Econ Entomol 62(1):243-244
17 Feb 1969 421 J822
Attractants, Biological assay, Biological control (insects), Carpocapsa pomonella, Chemicals, Epoxides, Insect pests, Pheromones.

2015-69
THE EFFECT OF CLIMATIC INTEGRANTS ON POPULATION FLUCTUATIONS OF THE COLUMBIAN TIMBER BEETLE CORTHYLUS COLUMBIANUS HOPKINS (COLEOPTERA; SCOLYTIDAE).
M L McManus
Diss Abstr Sect B 29(7):2479B
Jan 1969 Z5055.U49D53
Acer rubrum, Acer saccharinum, Climate, Corthylus columbianus, Growth factors, Insect dissemination, Insect populations, Rainfall, Scolytidae, Temperature.

2016-69
HISTOCHEMISTRY AND ULTRASTRUCTURE OF THE FEMININE GENITAL DUCTS OF GRYLLOTALPA GRYLLOTALPA L. (IT)
G Melis R Dallai
Redia (SER 2)50:163-186 REF
1967 421 R241
Glycidol, Gryllotalpa gryllotalpa, Histochemistry, Insect physiology, Orthoptera, Reproductive organs, Secretion, Spermatheca, Ultrastructure. English summary.

2017-69
THE COLOR CHANGE OF POECILIMON ORNATUS SCHMIDT IN THE POST-EMBRYONIC DEVELOPMENT. (ORTHOPTERA-TETTIGONIIDAE). (GE
S Miksic
Arbeitsgemeinsch Osterr Entomol Z 19(1):28-32
Aug 1967 421 W633
Color, Insect identification, Insect migration, Insect physiology, Larvae, Orthoptera, Tettigoniidae, Zoogeography.

2018-69
LABORATORY AND FIELD EVALUATION OF LARVICIDES AGAINST CHIRONOMID MIDGES.
M S Mulla A M Khasawinah
J Econ Entomol 62(1):37-41 REF
17 Feb 1969 421 J822
Chemical control (insects), Chironomidae, Experimental insects, Insecticides, Larvae, Larvicides.

2019-69
LABORATORY REARING OF APHIDS.
L R Nault
J Econ Entomol 62(1):261-262
17 Feb 1969 421 J822
Aphididae, Equipment, Experimental insects, Insect cages, Insect rearing, Insect vectors, Photoperiodism, Temperature, Virus diseases (plants).

2020-69
EFFECTS OF SIMULATED RAIN AND DEW ON THE TOXICITY OF CERTAIN ULTRA-LOW-VOLUME INSECTICIDAL SPRAY FORMULATIONS.
S J Nemec P L Adrisson
J Econ Entomol 62(1):71-73 REF
17 Feb 1969 421 J822
Anthonomus grandis, Chemical control (insects), Dew, Food moisture, Heliothis zea, Insecticide residues, Insecticides, Rainfall, Spraying, Toxicology.

2021-69
THE DEVELOPMENT OF THE THORAX MUSCLES OF PERIPLANETA AFTER CUTTING OF INDIVIDUAL NERVES. PRELIMINARY REPORT. (GE)
H Nuesch T Teutsch
Rev Suisse Zool 75(3):643-650
Sep 1968 410 R324
Growth factors, Inhibitors, Insect physiology, Muscles, Nerves, Periplaneta. English and French summaries.

2022-69
SAMPLING TO DETECT ECONOMIC INFESTATIONS OF LIMONIUS SPP.
J A Onsager
J Econ Entomol 62(1):183-189 REF
17 Feb 1969 421 J822
Chemical control (insects), Economics, Insect pests, Insecticides, Limoniidae, Population, Sampling (statistics), Zoogeography.

2023-69
A COMPARATIVE STUDY OF COMMUNICATION IN GRASSHOPPERS.
D Otte
Diss Abstr Sect B 29(3):1217B-1218B
Sep 1968 Z5055.U49D53
Communications, Grasshoppers, Insect behavior, Insect physiology, Research, Sex behavior, Vision.

2024-69
RECORDS OF PREDATORS AND PARASITES NATURALLY PREVALENT IN THE GUJARAT STATE.
H K Patel V C Patel J R Patel
Plant Protect Bull 19(3):36-38
1967 421 P69
Balance of nature, Biological control (insects), Insect pests, Parasitic insects, Predaceous insects, Research, Tables (data). Table includes scientific name of predator or parasite, order/family, and host, stage and period of parasitisation.

2025-69
CERTAIN MINOR CROP PESTS HITHERTO UNRECORDED FROM THE GUJARAT STATE.
H K Patel V C Patel J R Patel
Plant Protect Bull 19(3):26-31
1967 421 P69
Crops, Insect pests, Plant injuries, Tables (data). Tables including pest scientific name, order/family, nature of damage, and host plants are given.

2026-69
HISTOPATHOLOGY OF THE DEVELOPING REPRODUCTIVE SYSTEM OF AEDES STIMULANS (WALKER) (DIPTERA: CULICIDAE) UNDER THERMAL STRESS.
Patterson

Diss Abstr Sect B 29(7):2479B-2480B
Jan 1969 Z5055.U49D53
Aedes stimulans, Culicidae, Environment, Genes, Genotypes, Histopathology, Insect morphology, Insect physiology, Reproductive organs, Temperature.

2027-69
A LABORATORY EVALUATION OF BAITS AND CHEMOSTERILANTS ON THE LITTLE HOUSE FLY.
R D Pausch
J Econ Entomol 62(1):25-28
17 Feb 1969 421 J822
Attractants, Baits, Biological control (insects), Chemical control (insects), Chemosterilants, Experimental insects, Fannia canicularis, Insect pests.

2028-69
GEOGRAPHICAL VARIATION IN PAPRIDES NITIDUS (HUTTON) (ORTHOPTERA: ACRIDIDAE).
A J Peterson
New Zealand J Sci 11(4):693-705 MAP REF
Dec 1968 514 N482
Acrididae, Insect evolution, Insect geography, Insect morphology, Reproductive organs.

Variation in the morphology of the reproductive organs of Paprides nitidus is attributed to the distribution of the insect caused by the Pleistocene glaciation in New Zealand.

2029-69
HEAT-EXTRACTION TECHNIQUE FOR RECOVERY OF POTATO TUBERWORM LARVAE FROM POTATO TUBERS.
G R Platner P D Greany E R Oatman
J Econ Entomol 62(1):271-272
17 Feb 1969 421 J822
Campoplex haywardi, Extracts, Heat, Insect biology, Insect rearing, Larvae, Parasitism, Phthorimaea operculella, Potato-tuber.

2030-69
ON THE HORMONAL CONTROL OF OVARIAN DEVELOPMENT IN THE FEMALE LARVA OF THE HETEROGONID GALL GNAT HETEROPEZA PYGMAEA WINNERTZ 1846 (DIPTERA, CECIDOMYIIDAE). (GE)
K Pohlhammer
Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):1-30 REF
1968 410 Z751Z
Development, Heteropeza pygmaea, Insect histology, Insect hormones, Insect physiology, Ovaries.

2031-69
EFFECT OF DROPLET SIZE ON PERSISTENCE OF ULV MALATHION AND COMPARISON OF TOXICITY OF ULV AND EC MALATHION TO TOBACCO BUDWORM LARVAE.
S G Polles S B Vinson
J Econ Entomol 62(1):89-94
17 Feb 1969 421 J822
Chemical control (insects), Cotton, Heliothis virescens, Insect pests, Insecticides, Larvae, Malathion, Particle size determination, Toxicology.

2032-69
MORPHOLOGICAL AND HISTOCHEMICAL STUDY OF THE SCENT GLAND IN THE POND-SKATER, GERRIS SPINOLAE LETH. ET SEU. (GERRIDAE-INSECTA).
P S Ramamurty Y Krishnanandam
Zool Anz 178(3-4,MAR-APR):198-210 REF
Apr 1967 410 Z7
Gerridae, Histochemistry, Insect morphology, Microscopy, Scent glands.

2033-69
ISOLATION OF THE POPULATION AGGREGATING PHEROMONE OF THE SOUTHERN PINE BETTLE.
J A A Renwick J P Vite
Boyce Thompson Inst Contrib 24(4,JUL-SEP):65-68
1968 451 B69
Attractants, Biological assay, Chromatography, Dendroctonus brevicomis, Dendroctonus frontalis, Dendroctonus pseudotsugae, Pheromones, Population, Spectrometry, Temperature.

2034-69
STRUCTURES OF UNKNOWN, POSSIBLY STRIDULATORY, FUNCTION OF THE WINGS AND BODY OF NEUROPTERA; WITH AN APPENDIX ON OTHER ENDOPTERYGOTE ORDERS.
E F Riek
Austrolion J Zool 15(2):337-348
Mar 1967 410 AU73
Insect morphology, Neuroptera, Stridulation, Wings (insects).

2035-69
COMPETITIVE MATING TESTS BETWEEN NORMAL AND ASPERMIC MALE HOUSE FLIES.
J G Riemann
J Econ Entomol 62(1):276-277
17 Feb 1969 421 J822
Aedes aegypti, Breeding, Insect behavior, Insect mating, Musca domestica, Reproduction, Research, Sterility.

2036-69
A MORPHOLOGICAL AND FUNCTIONAL STUDY OF THE VENOM APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF HYMENOPTERA.
P L Robertson
Austrolion J Zool 16(1):133-166 REF
Feb 1968 410 AU73
Evolution, Hymenoptera, Insect morphology, Reproductive organs, Venoms.

2037-69
POPULATION DYNAMICS OF THE COMMON HORSEFLIES AND DEERFLIES (TABANIDAE: DIPTERA) BREEDING ON A NEW JERSEY SALT MARSH.
E G Rockel
Diss Abstr Sect B 29(7):2480B-2481B
Jan 1969 Z5055.U49D53
Chrysops atlanticus, Chrysops fuliginosus, Diptera, Emergence, Humidity, Insect collecting equipment, Insect populations, Larvae, Larvicides, Lindane, Marshes, Ovulation, Population, Spartina alterniflora, Tabanidae, Tabanus lineola, Tabanus nigrovittatus, Temperature.

2038-69
ORGANOGENESIS OF THE FEMALE REPRODUCTIVE SYSTEM OF AN AEDINE MOSQUITO.
M C R Ronquillo
Diss Abstr Sect B 29(7):2481B
Jan 1969 Z5055.U49D53
Aedes stimulans, Culicidae, Insect eggs, Insect morphology, Insect physiology, Larvae, Reproduction, Reproductive organs.

2039-69
BIOTIC FACTORS INVOLVED IN CRUCIFER APHID OUTBREAKS FOLLOWING INSECTICIDE APPLICATION.
R B Root J J Skelsey
J Econ Entomol 62(1):223-233 REF
17 Feb 1969 421 J822
Aphididae, Carbaryl, Cryolite, Insect outbreaks, Insect pests, Insecticide application, Insecticides, Plant injuries.

2040-69
INVESTIGATION INTO THE APPEARANCE OF THE THREE CASTES IN THE BUMBLEBEE COLONY. (GE)
P-f Roseler
Zool Johrbucher Abt Allg Zool Physiol Tiere 74(2):178-197 REF
1968 410 Z751Z
Bombus, Insect behavior, Insect evolution, Insect morphology, Social insects.

2041-69
AN ANNOTATED LIST OF HYMENOPTEROUS PARASITES OF CITRUS SOFT SCALES IN ISRAEL.
D Rosen
Entomophaga 7(4):349-357
1962 421 EN835
Biological control (insects), Ceroplastes floridensis, Ceroplastes rusci, Citrus, Coccus hesperidum, Hymenoptera, Insect pests, Parasitic insects. French summary.

2042-69
COMPARATIVE BEE SOCIOLOGY I. ORIGIN OF COMMUNAL AND CASTE SYSTEMS. (JA)
S F Sakagami
Zool Soc Jap Zool Mog 77(2):35-43
Feb 1968 410.9 T57
Apiculture, Bees, Insect behavior, Social insects.

2043-69
ON THE MORPHOLOGY AND THE BIONOMIES OF THE INSECTS OF ECONOMIC IMPORTANCE. II. HEAD APPENDAGES IN ALPHITOBIUS DIAPERINUS (PANZ.) (TENEBRIONIDAE, COLEOPTERA).
K Sarin V B Tembe S C Saxena
Zool Anz 180(5/6 MAY-JUN):423-435 REF
1968 410 Z7
Alphitobius diaperinus, Antennae, Economics, Insect anatomy, Insect morphology, Tenebrionidae.

2044-69
HEAD CAPSULE OF ALPHITOBIUS DIAPERINUS (PANZ.) (TENEBRIONIDAE-COLEOPTERA).
K Sarin V B Tembe S C Saxena
Zool Anz 179(3-4,SEP-OCT):256-264 REF
Oct 1967 410 Z7
Alphitobius diaperinus, Head, Insect morphology.

2045-69
ON THE SOIL FAUNA OF MEADOW AND ALFALFA STOCKED FIELDS OF DIFFERENT LOCATIONS WITH SPECIAL CONSIDERATION OF THE ORIBATIDS. (GE)
V Schalk
Pedobiologia 8(4):424-506 REF
1968 56.8 P343
Alfalfa, Catalogs, Collembola, Insect ecology, Soil insects, Surveys.

2046-69
DEMONSTRATION OF THE SYNTHESIS OF A YOLK PROTEIN UNDER THE INFLUENCE OF THE CORPORA ALLATA IN LEUCOPHAEA MADERAE. (GE
R Scheurer M Luscher
Rev Suisse Zool 75(3):715-722 REF
Sep 1968 410 R324
Acrylamide, Corpora allata, Electron microscopy, Electrophoresis, Gels, Hemolymph, Hormones, Leucophaea maderae, Protein synthesis, Yolk sac. Englisch and French summaries.

2047-69
PHOTOPERIODIC INDUCTION OF VERNAL PHENOTYPE IN PIERIS PROTODICE BOISDUVAL AND LE CONTE (LEPIDOPTERA: PIERIDAE).
A M Shapiro
Wosmonn J Biol 26(1,SPRING):137-149 REF
1968 442.8 W28
Insect morphology, Photoperiodism, Pieris, Polymorphism, Temperature.

2048-69
FLUCTUATIONS IN THE POPULATION OF SCHIZOLACHNUS PINIRADIATAE (DAVIDSON) (APHIDIDAE-HOMOPTERA) IN THE EASTERN PROVINCES DURING 1967. (FR)
M L Sharma R Laviolette
Entomol Soc Quebec Ann 13(2):89-97 MAP REF
May 1968 420 EN822
Aphididae, Biological control (insects), Fungi, Parasitism, Pinus resinosa, Population, Predaceous insects, Schizolachnus piniradiatae. English summary.

2049-69
THE FREE AMINO ACID PATTERN IN TISSUES OF SILKWORM DURING DEVELOPMENT. (RUS)
L I Shegolcva Yu B Filippovich
Biokhimiyo 32(4):766-773 REF
1967 385 B523
Bombyx mori, Insect morphology, Insect physiology, Larvae, Tissues. English summary.

2050-69
INHIBITION OF GROWTH OF BACILLUS THURINGIENSIS BY AMINO ACIDS IN DEFINED MEDIA.
S Singer M H Rogoff
J Invertebrote Pothol 12(1):98-104 REF
Oct 1968 421 J826
Amino acids, Ammonia, Bacillus thuringicnsis, Bacterial diseases (insects), Biochemistry, Growth factors, Inhibitors, Nitrogen, Nutrition.

2051-69
MORPHOLOGY OF THE HEAD CAPSULE OF AELIA ROSTRATA BOH. (HEMIPTERA: PENTATOMIDAE).
N Sisli
Ankoro Univ Foc Sci Commun (SER C)12:31-42 REF
1967 330.9 AN4
Aclia rostrata, Head, Insect anatomy, Insect morphology, Insect pests, Insect physiology, Pentatomidae, Wheat. Turkish summary.

2052-69
EVOLUTIONARY MORPHOLOGY OF INSECT GENITALIA AS EXEMPLIFIED BY THE SAWFLY EUURA (HYMENOPTERA: TENTHREDINIDAE).
E L Smith
Diss Abstr Sect B 29(7):2481B
Jan 1969 Z5055.U49D53
Euura, Insect anatomy, Insect morphology, Reproductive organs, Tenthredinidae.

2053-69
EFFECTS OF APHOLATE ON THE ALFALFA WEEVIL.
R K Sprenkel W G Yendol
J Econ Entomol 62(1):122-125 REF
17 Feb 1969 421 J822
Apholatc, Chemical control (insects), Chemosterilants, Dosage, Hypera postica, Insect eggs, Mortality, Sterility.

2054-69
CHAMBERS FOR INCUBATING INDIVIDUAL INSECT EGGS AND EGG PARASITES.
E A Stadelbacher
J Econ Entomol 62(1):253-254
17 Feb 1969 421 J822
Biological control (insects), Equipment, Heliothis zea, Incubators, Insect eggs, Insecticide resistant insects, Parasitic insects, Trichogramma.

2055-69
FATTY ACIDS IN HYALOPHORA CECROPIA: BIOSYNTHESIS AND CONSTITUTION DURING DEVELOPMENT.
W F Stephcn
Diss Abstr Sect B 29(7):2332B-2333B
Jan 1969 Z5055.U49D53
Biochemistry, Biosynthesis, Chromatography, Fatty acids, Hormones, Hyalophora cecropia, Insect morphology, Lipids, Quantitative analysis, Tissue culture.

2056-69
HOURLY AND SEASONAL COLLECTIONS OF SIX HARMFUL INSECTS IN TRAPS EQUIPPED WITH BLACKLIGHT LAMPS.
P A Stewart J J Lam
J Econ Entomol 62(1):100-102
17 Feb 1969 421 J822
Insect collecting equipment, Insect pests, Insect traps, Light traps, Temperature, Weather. The insects captured were: Pseudaletia unipuncta, Prodenia ornithogalli, Agrotis ipsilon, Harrisina americana, Diacrisia virginica, and Ostrinia nubilalis.

2057-69
INFLUENCE OF DISTANCE ON ATTRACTION OF TOBACCO HORNWORM AND CORN EARWORM MOTHS TO RADIATIONS OF A BLACKLIGHT LAMP.
P A Stewart J J Lam J L Blythe
J Econ Entomol 62(1):58-60
17 Feb 1969 421 J822
Attractants, Equipment, Experimental insects, Heliothis zea, Infrared rays, Insect behavior, Light traps, Manduca sexta, Radiation.

2058-69
MEASURING NEWLY HATCHED PHYTOPHAGOUS LARVAE IN THE FIELD OR GREENHOUSE.
P A Stewart J J Lam
J Econ Entomol 62(1):259
17 Feb 1969 421 J822
Feeding, Greenhouse culture, Heliothis virescens, Insect pests, Insect physiology, Larvae, Manduca sexta, Phytophagous insects, Plant pest resistance, Tobacco.

2059-69
PERFORMANCE OF THE ENGLISH GRAIN APHID ON STERILIZED AND UNSTERILIZED ARTIFICIAL DIET.
G R Sutter R W Kieckhefer
J Econ Entomol 62(1):254-255
17 Feb 1969 421 J822
Diet, Experimental insects, Insect nutrition, Insect rearing, Macrosiphum avenae, Myzus persicae, Reproduction, Sterilization.

2060-69
NEURAL ADAPTATIONS IN THE VISUAL PATHWAY OF CERTAIN HELICONIINE BUTTERFLIES, AND RELATED FORMS, TO VARIATIONS IN WING COLORATION.
S L Swihart
Zoologica (new York) 52(1,SPRING):1-14 REF
1967 410 Z722
Electrophysiology, Insect morphology, Insect physiology, Lepidoptera, Nerves, Pigments, Polymorphism, Vision, Wings (insects).

2061-69
STUDIES ON THE MORPHOLOGY AND RELATIONSHIPS OF MALE APIOMORPHA AND OPISTHOSCELIS (HEMIPTERA: COCCOIDEA).
J G Theron
Australian J Zool 16(1):87-99 REF
Feb 1968 410 AU73
Apiomorpha, Insect morphology, Opisthoscelis, Reproductive organs.

2062-69
SOME OBSERVATIONS ON CHEMORECEPTION IN THE ANTENNAE OF THE CENTIPEDE, SCOLOPENDRA SUBSPINIPES LEACH (MANDIBULATA-CHILOPODA).
P B Van Weel D R Stokes E T Takafuji
Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):31-53 REF
1968 410 Z751Z
Amino acids, Antennae, Carbohydrates, Chemoreceptors, Glycerol, Insect neurophysiology, Scolopendromorphidae.

2063-69
AN ARTIFICIAL DIET FOR LARVAE AND ADULTS OF CHRYSOPA CARNEA, AN INSECT PREDATOR OF CROP PESTS.
E S Vanderzant
J Econ Entomol 62(1):256-257
17 Feb 1969 421 J822
Chrysopa carnea, Crops, Diet, Feeding, Heliothis, Insect nutrition, Insect pests, Insect rearing, Larvae, Predaceous insects.

2064-69
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BETTLE. IV. INFLUENCE OF HOST CONDITION ON AGGREGATION PATTERN.
J P Vite R G Crozier
Boyce Thompson Inst Contrib 24(4,JUL-SEP):87-93
1968 451 B69
Attractants, Chromatography, Dendroctonus frontalis, Feeding, Insect behavior, Insect dissemination, Olfactometers, Pinus taeda, Plant hardiness, Resins.

2065-69
INSECT AND HOST FACTORS IN THE AGGREGATION OF THE SOUTHERN PINE BEETLE.
J P Vite J A A Renwick
Boyce Thompson Inst Contrib 24(4,JUL-SEP):61-63
1968 451 B69
Attractants, Dendroctonus frontalis, Insect behavior, Insect dissemination, Insect outbreaks, Pheromones, Population, Social insects.

2066-69
THE ECOLOGY OF SMINTHURUS VIRIDIS (COLLEMBOLA). II. DIAPAUSE IN THE AESTIVATING EGG.
M M H Wallace
Austrolion J Zool 16(5):871-883
Nov 1968 410 AU73
Collembola, Insect diapause, Insect eggs, Insect rearing, Metamorphosis.

2067-69
THE ECOLOGY OF SMINTHURUS VIRIDIS (L.)(COLLEMBOLA). I. PROCESSES INFLUENCING NUMBERS IN PASTURES IN WESTERN AUSTRALIA.
M M H Wallace
Australian J Zool 15(6):1173-1206 MAP REF
Nov 1967 410 AU73
Bdellidae, Collembola, Demography, Insect ecology, Plants, Soil series, Weather.
Five factors affecting numbers of Sminthurus viridis in pastures are: 1) weather, 2) soil type, 3) plants growing there, 4) predation by Bdellodes lapidaria, and 5) the eating of dead springtails by newly hatched nymphs.

2068-69
INFLUENCE OF AGING ON THE RATE OF INCORPORATION OF TRITIATED THYMIDINE IN THE NURSE CELLS OF DROSOPHILA MELANOGASTER.
J M Wattiaux M Lamborot
Currents Mod Biol 1(1):5-8 REF
Mar 1967 QH301.C8
Aging, Biochemistry, Cell nucleus, Deoxyribonucleic acid, Drosophila melanogaster, Insect physiology, Synthesis, Thymidine.

2069-69
PHYSIOLOGICAL BASES FOR THE LURING AND CATCHING OF INSECTS. (GE
R Wiesmann
Schweiz Entomol Ges Mitt 40(1/2):37-55 REF
20 Jul 1967 420 SW6
Attractants, Humidity, Insect behavior, Insect collecting equipment, Insect physiology, Insect traps, Methodology, Sense organs, Temperature.

2070-69
SCORPION PRESERVATION FOR TAXONOMIC AND MORPHOLOGICAL STUDIES.
S C Williams
Wasmonn J Biol 26(1,SPRING):133-136
1968 442.8 W28
Acetic acid, Alcohols, Formaldehyde, Heat treatment, Methodology, Scorpionida.

2071-69
THE USE OF IMAGINAL DISKS FOR THE DETERMINATION OF THE DEVELOPMENTAL STAGE OF LARVAE OF CHIRONOMUS (DIPT.). (GE)
W Wulker P Gotz
Z Morphol Okolog Tiere 62(4):363-388 REF
27 Aug 1968 442.8 Z33
Chironomidae, Chironomus thummi, Diptera, Gonads, Insect morphology, Larvae, Research, Time. English summary.

2072-69
BIOLOGY OF THE ROBBER FLY EUTOLMUS RUFIBARBIS MG, (DIPTERA, ASILIDAE) IN KHABAROVSK TERRITORY.
P A Yesipenko
Entomol Rev 46(1,JAN-MAR):61-62
Mar 1967 421 R322AE
Asilidae, Insect behavior, Insect ecology, Insect rearing.

2073-69
STUDIES ON THE EFFECT OF COMMERCIAL FORMULATIONS OF SOME ORGANOPHOSPHOROUS INSECTICIDES ON THE COTTON LEAF WORM, PRODENIA LITURA F. UNDER FIELD CONDITIONS.
M M Zaki M El-Ghar S H Mitry
An Agr Sci 10(1):35-45
Jun 1965 24 AN72
Chemical control (insects), Insecticides, Organophosphorus compounds, Prodenia litura. Arabic summary. dDT, endrin, lindane, dipterex, sevin, lebaycid were the specific insecticides evaluated.

GENETICS

2074-69
VIABILITY, PROPORTION BETWEEN THE SEXES AND OF THE X CHROMOSOMES OF DROSOPHILA MELANOGASTER. (POR)
M C Barros-Queiroz J M Campos-Rosado
Port Acta Biol Ser A (SER A)9(3/4):367-372
1966 442.8 P83
Chromosomes, Dosage, Drosophila melanogaster, Insect genetics, Sex ratios, Viability. English summary.

2075-69
STUDIES ON THE GENETIC AND ENVIRONMENT REGULATION OF XANTHINE DEHYDROGENASE AND ITS GENETICALLY RELATED ENZYMES IN DROSOPHILA MELANOGASTER.
J F Collins
Diss Abstr Sect B 29(7):2299B-2300B
Jan 1969 Z5055.U49D53
Biochemistry, Chromatography, Chromosomes, Drosophila melanogaster, Enzymes, Insect cultures, Insect genetics, Xanthine dehydrogenase.

2076-69
SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. I. SINGLE-SEX SELECTION.
R Frankham
Australian J Biol Sci 21(6):1215-1223 REF
Dec 1968 442.8 AU72
Drosophila melanogaster, Insect breeding, Insect genetics, Sex.

2077-69
SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. II. THE SEX DIMORPHISM.
R Frankham
Australion J Biol Sci 21(6):1225-1237 REF
Dec 1968 442.8 AU72
Drosophila, Insect breeding, Insect genetics, Polymorphism, Sex.

2078-69
ASPECTS OF RNA AND PROTEIN SYNTHESIS IN IMAGINAL DISCS OF DROSOPHILA MELANOGASTER.
J W L Fristrom L Brothers V Mancebo D Stewart
Z Vererbungslehre 102(1):1-14 REF
1968 442.8 Z34
Drosophila melanogaster, Insect genetics, Larvae, Proteins, Ribonucleic acid, Synthesis.

2079-69
THE INFLUENCE OF THE GENOTYPE ON CELL AFFINITIES IN COMBINATIONS OF IMAGO ORGANISMS OF DROSOPHILA MELANOGASTER. (SP)
A Garcia-Bellido
Port Acta Biol Ser A (SER A)9(3/4):308-320 REF
1966 442.8 P83
Biochemistry, Cells, Drosophila melanogaster, Enzymes, Genotypes, Insect genetics, Microorganisms. English summary.

2080-69
INHERITANCE AND BIOCHEMISTRY OF OP-RESISTANCE IN A NEW YORK STRAIN OF THE TWO-SPOTTED SPIDER MITE.
D H C Herne A W A Brown
J Econ Entomol 62(1):205-209 REF
17 Feb 1969 421 J822
Biochemistry, Breeding, Cholinesterases, Inheritance, Insect genetics, Insecticide resistant insects, Malaoxon, Malathion, Organophosphorus compounds, Parathion, Tetranychus urticae.

2081-69
GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. II. MATING BEHAVIOUR.
S M W Hosgood P A Parsons
Australian J Biol Sci 20(6):1193-1203 REF
Dec 1967 442.8 AU72
Drosophila melanogaster, Insect behavior, Insect genetics, Mating habits, Polymorphism.

2082-69
5-AMINOACRIDINE INDUCED CROSSING OVER IN THE DROSOPHILA MALE.
A H Khan
Naturwissenschaften 55(2):85-86
Feb 1968 474 N213
Drosophila, Insect genetics, Lethal factor, Mutations.

2083-69
GENETIC AND CYTOGENETIC RELATIONSHIPS AMONG CERTAIN NEARCTIC ANOPHELINES.
R D Kreutzer
Diss Abstr Sect B 29(1):2681B
Jan 1969 Z5055.U49D53
Anopheles, Chromosomes, Cytogenetics, Insect genetics, Insect morphology.

2084-69
RELATIVE FITNESS OF A THIRD CHROMOSOME INVERSION IN DROSOPHILA MELANOGASTER.
R F Nassar
Australian J Biol Sci 21(6):1179-1186 REF
Dec 1968 442.8 AU72
Chromosomes, Drosophila melanogaster, Insect genetics, Insect hardiness.

2085-69
GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. III. STERNOPLEURAL CHAETAE.
P A Parsons
Australian J Biol Sci 21(2):297-302
Apr 1968 442.8 AU72
Drosophila melanogaster, Insect genetics, Polymorphism.

2086-69
THE TAXONOMY, CYTOLOGY AND GENETICS OF GENUS TIMARCHA (COL. CRIS). I. KARYOTYPE OF T. GOETTINGENSIS L. SSP. CATALAUNENSIS FAIRM.. (SP)
E Petitpierre
Genet Iber 20(1-2):13-21 REF
1968 443.8 G28
Chromosomes, Chrysomelidae, Cytogenetics, Insect genetics. English abstract

2087-69
EFFECTIVENESS OF REGULAR CYCLES OF INTERMITTENT ARTIFICIAL SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA MELANOGASTER.
K A Rathie J S F Barker
Australian J Biol Sci 21(6):1187-1213 REF
Dec 1968 442.8 AU72
Drosophila melanogaster, Insect breeding, Insect genetics, Insect rearing.

2088-69
PERICENTRIC INVERSION POLYMORPHISM IN TRIMEROTROPIS HELFERI (ORTHOPTERA: ACRIDIDAE) AND ITS EFFECT ON CHIASMA FREQUENCY.
G L Schroeter
Diss Abstr Sect B 29(7):2307B
Jan 1969 Z5055.U49D53
Acrididae, Aerochoreutes, Chromosomes, Circotettix, Insect biology, Insect genetics, Polymorphism, Trimerotropis helferi.

2089-69
EMBRYONIC DEVELOPMENTAL MUTATIONS OF THE NULLOSOMIES AND TETRASOMIES OF THE THIRD CHROMOSOME OF DROSOPHILA MELANOGASTER. (GE)
M E L Scriba
Develop Biol 19(2):160-177 REF
Feb 1969 442.8 D49
Chromosomes, Development, Drosophila melanogaster, Insect genetics, Insect histology. English abstract

2090-69
TERATOLOGY OF THE BEETLE TENEBRIO MOLITOR. III. ULTRASTRUCTURAL ALTERATIONS IN THE FLIGHT MUSCULATURE OF THE PUPAL-WINGED ADULT.
E A Steinhaus R D Zeikus
J Invertebrate Pathol 12(1):40-52 REF
Oct 1968 421 J826
Abnormalities, Coleoptera, Degeneration, Insect anatomy, Insect flight, Insect genetics, Muscles, Tenebrio molitor.

2091-69
AUTONOMOUS PLEIOTROPY IN DROSOPHILA.
C Stern C Tokunaga
Nat Acad Sci Proc 60(4):1252-1259 REF
Aug 1968 500 N21P
Chromosomes, Drosophila melanogaster, Eyes, Insect genetics, Insect mutation.

2092-69
INHERITANCE OF RESISTANCE TO ORGANOPHOSPHORUS ACARICIDES IN THE CATTLE TICK, BOOPHILUS MICROPLUS.
B F Stone
Australian J Biol Sci 21(2):309-319 REF
Apr 1968 442.8 AU72
Acaricides, Boophilus microplus, Insect genetics, Insecticide resistant insects, Organophosphorus compounds.

2093-69
BRAIN CHOLINESTERASE ACTIVITY AND ITS INHERITANCE IN CATTLE TICK (BOOPHILUS MICROPLUS) STRAINS RESISTANT AND SUSCEPTIBLE TO ORGANOPHOSPHORUS ACARICIDES.
B F Stone
Australian J Biol Sci 21(2):321-330 REF
Apr 1968 442.8 AU72
Alleles, Boophilus microplus, Cholinesterases, Histochemistry, Insect biochemistry, Insect genetics, Insecticide resistant insects.

2094-69
A GYNANDROMORPHIC GRASSHOPPER PRODUCED BY DOUBLE FERTILIZATION.
M J D White
Australian J Zool 16(1):101-109 REF
Feb 1968 410 AU73
Gynandromorphism, Insect genetics, Valanga irregularis.

2095-69
CYTOGENETICS OF THE VIATICA GROUP OF MORABINE GRASSHOPPERS. I. THE COASTAL SPECIES.
M J D White R E Blackith R M Blackith J Cheney
Australian J Zool 15(2):263-302 MAP REF

Mar 1967 410 AU73
Acridoidea, Chromosomes, Cytogenetics, Insect genetics, Insect rearing.

2096-69
KARYOTYPES AND NUCLEAR SIZE IN THE SPERMATOGENESIS OF GRASSHOPPERS BELONGING TO THE SUBFAMILIES GOMPHOMASTACINAE, CHININAE AND BIROELLINAE (ORTHOPTERA, EUMASTACIDAE).
M J D White
Caryo Logia 21(2,APR-JUN):167-179 REF
1968 442.8 C25
Cell nucleus, Chromosomes, Cytogenetics, Insect genetics, Orthoptera, Spermatogenesis.

2097-69
AUTOMATED SEXING OF PUPAE AND ITS USEFULLNESS IN CONTROL BY STERILE INSECTS.
M J Whitten
J Econ Entomol 62(1):272-273
17 Feb 1969 421 J822
Biological control (insects), Color, Insect genetics, Lucilia cuprina, Sex determination.

MEDICAL ENTOMOLOGY

2098-69
GROSS VARIATIONS IN THE RESPONSE TO MAN AMONG YELLOW-FEVER MOSQUITO POPULATIONS IN THE LABORATORY.
A A Khan H I Maibach W G Strauss
J Econ Entomol 62(1):96-98
17 Feb 1969 421 J822
Aedes aegypti, Breeding, Experimental insects, Human diseases, Insect dissemination, Insect vectors, Medical entomology, Population, Yellow fever.

CROP PROTECTION

2099-69
1968 U.S. RICE PRODUCTION STATISTICS.
Rice J 71(13):26-27
Dec 1968 59.8 R36
Productivity, Rice, Statistics, Time.

2100-69
A COMPARATIVE STUDY ON UREA SPRAYS UPON SOME DECIDUOUS FRUIT TREES.
A F Abdelal A L El-Tomi
An Agr Sci 10(1):333-349 REF
Jun 1965 24 AN72
Foliar application, Fruit, Nitrogen, Plant nutrition, Plant physiology, Spraying, Trees, Urea. Arabic summary.

2101-69
DEVELOPING ALFALFA RESISTANT TO ALFALFA WEEVIL OVIPOSITION.
T H Busbice W V Campbell J O Rawlings D K Barnes R H Ratcliffe C H Hanson
Crop Sci 8(6,NOV-DEC):762-767 REF
1968 64.8 C883
Alfalfa, Hypera postica, Larvae, Oviposition, Plant breeding, Plant genetics, Plant pest resistance, Plant physiology, Tables (data).

2102-69
RESISTANCE TO BROWN STEM ROT IN SOYBEANS.
D W Chamberlain R L Bernard
Crop Sci 8(6,NOV-DEC):728-729
1968 64.8 C883
Cephalosporium gregatum, Crop varieties, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Soybeans.

2103-69
REDUCTION IN MORTALITY OF PEACH TREES FOLLOWING PREPLANT SOIL FUMIGATION.
W A Chandler
Plant Dis Rep 53(1):49-53 REF
Jan 1969 1.9 P69P
Carbon disulfide, Criconemoides, Dibromo-3-chloropropane, 1,2-, Fungicides, Fungus diseases (plants), Mortality, Nematocides, Parasitism, Peaches, Pratylenchus, Root rot, Soil fumigation, Trees, Xiphinema.

2104-69
COMANDRA RUST DAMAGE TO PONDEROSA PINE IN OREGON AND WASHINGTON.
T W Childs
8P PORTLAND, OREGON, DEPARTMENT oF AGRICULTURE
1968 ASB608.P6505
Canker, Cronartium comandrae, Pinus ponderosa, Rust, Tree diseases, Wood destroying fungi.

2105-69
CONCLUSIONS AND RESOLUTIONS OF THE GENERAL ASSEMBLY OF THE INTERNATIONAL COMMISSION FOR THE BIOLOGICAL CONTROL OF PLANT PESTS (C. I. L. B.). TUNIS, MARCH 26-APRIL 4, 1962. (FR)
Entomophaga 7(4):307-323
1962 421 EN835
Bibliography, Biological control (pests), Integrated control (pests), International cooperation, Plant diseases, Plant pest control, Plant protection. German text opposite French text.

2106-69
SEEDLINGS VIGOR EVALUATION OF FOUR BIRDSFOOT TREFOIL VARIETIES GROWN UNDER TWO TEMPERATURE REGIMES.
C S Cooper M Qualls
Crop Sci 8(6,NOV-DEC):756-757
1968 64.8 C883
Birdsfoot trefoil, Growth factors, Plant adaptation, Plant hardiness, Plant physiology, Seedlings, Temperature.

2107-69
A RICE SEED FARM IN CENTRAL AMERICA.
J N Efferson
Rice J 71(13):6-10
Dec 1968 59.8 R36
Productivity, Rice, Seeds.

2108-69
INHERITANCE OF CROWN RUST RESISTANCE IN AVENA STERILIS.
G Fleischmann R I H McKenzie
Crop Sci 8(6,NOV-DEC):710-713 REF
1968 64.8 C883
Avena sterilis, Crown rust, Genes, Oats, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics.

2109-69
PROBLEMS IN PLANT PATHOLOGY AND ENTOMOLOGY FIELD TRIALS.
G H Freeman
Exp Agr 3(4):351-358 REF
Oct 1967 10 EX72
Entomology, Plant diseases, Research.

2110-69
GERMINATION, GROWTH, AND RESPIRATION RATES OF BIRDSFOOT TREFOIL AT THREE TEMPERATURES DURING THE EARLY NONPHOTOSYNTHETIC STAGE OF DEVELOPMENT.
M Qualls C S Cooper
Crop Sci 8(6,NOV-DEC):758-760 REF
1968 64.8 C883
Birdsfoot trefoil, Growth factors, Plant physiology, Plant respiration, Seed germination, Seedlings, Tables (data), Temperature.

2111-69
LEAF PUBESCENCE IN COMMON WHEAT, TRITICUM AESTIVUM L., AND RESISTANCE TO THE CEREAL LEAF BEETLE, OULEMA MELANOPUS (L.).
K Ringlund E H Everson
Crop Sci 8(6,NOV-DEC):705-710 REF
1968 64.8 C883
Genes, Larvae, Oulema melanopus, Plant breeding, Plant genetics, Plant pest resistance, Pubescence, Triticum aestivum.

2112-69
DISEASES OF SUGARBEET IN ARIZONA.
E G Ruppel
Plant Dis Rep 53(1):56-58
Jan 1969 1.9 P69P
Crop yields, Epidemiology, Fungus diseases (plants), Plant nematodes, Sugar beets, Virus diseases (plants).

2113-69
PRELIMINARY RESULTS OF ATTEMPTS TO FORM THE ADVISORY BOARD FOR INTEGRATED PLANT PROTECTION. (GE)
H Steiner
Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):6-7
Jan 1967 442.9 B832
Agricultural regulation, Insect pests, Plant diseases, Plant protection, Plant quarantine.

2114-69
DDT RESISTANCE IN BARLEY, HORDEUM VULGARE- I. INDUCED MUTANTS FOR RESISTANCE.
A T Wallace F O Rillo R M Browning
Radiat Bot 8(5):381-388 REF
Dec 1968 450 R11
Barley, Chlorophylls, DDT, Genes, Leaves, Plant genetics, Plant hardiness, Plant mutation, Resistance. French and German summaries.

DISEASES

2115-69
ARSENAL FOR DISEASE CONTROL.
Anonymous
Amer Veg Grower 17(1):20,34
Jan 1969 80 C733
Aerial spraying, Fungicides, Fungus diseases (plants), Late blight, Maneb, Plant disease control, Potatoes, Soil-borne plant diseases, Spraying. Many fungicides are mentioned.

2116-69
EFFECTS OF POTASSIUM, MAGNESIUM, AND NITROGEN DEFICIENCIES ON THE CONCENTRATION OF CHLOROGENIC ACID AND SCOPOLIN IN TOBACCO.
G M Armstrong
Diss Abstr Sect B 29(7):2311B
Jan 1969 Z5055.U49D53
Biosynthesis, Chlorogenic acid, Lignin, Magnesium, Nitrogen, Plant physiology, Potassium, Scopolin, Tobacco.

2117-69
MODERN METHODS OF DISEASE CONTROL IN FLORIST AND NURSERY CROPS.
K F Baker S H Smith
Calif Agr 21(8):10-12
Aug 1967 100 C12CAG
Greenhouse culture, Mechanization, Plant disease control, Plant diseases, Reproduction.

2118-69
LINE PATTERN DISEASE OF RASPBERRY.
W Basak
Polska Akad Nauk Bull Ser Sci Biol 16(5):307-310
1968 512 W262
Dieback, Insect vectors, Line pattern, Raspberries, Ring spot, Virus diseases (plants).

2119-69
RELATIVE SUSCEPTIBILITY OF THREE PEANUT CULTIVARS TO FAT LEG (SEEDLING GROWTH ANOMALY) CAUSED BY SEED TREATMENT WITH AN ORGANIC MERCURY FUNGICIDE.
D K Bell
Plant Dis Rep 53(1):12-14
Jan 1969 1.9 P69P

Fungicides, Mercury compounds, Peanuts, Plant abnormalities, Plant disease resistance, Seed germination, Seed treatment.

2120-69
PROOF OF THE PRESENCE OF THE TOMATO BUSHY STUNT VIRUS IN GRAPE TENDRILS. (GE)
R Berck
Phytopothol Z 60(3)273-277 REF
Nov 1967 464.8 P562
Bushy stunt, Grapes, Sap, Serological tests, Tomatoes, Virus diseases (plants). English summary.

2121-69
PHYTOPHTHORA CINNAMOMI RANDS ON CONIFERS IN NEW SOUTH WALES.
A L Bertus
Agr Goz New S Woles 79(12):751-754
Dec 1968 23 N472
Coniferae, Fungus diseases (plants), Phytophthora cinnamomi, Plant disease resistance, Root rot.

2122-69
CROWN GALL TUMORS IN VARIOUS SPECIES AND HYBRIDS OF KALANCHOIDEAE. (GE)
M Bopp F Resende
Port Acto Biol Ser A (SER A)9(3/4):327-366 REF
1966 442.8 P83
Agrobacterium tumefaciens, Crown galls, Hybrids, Kalanchoe, Plant diseases, Plant genetics, Plant physiology, Teratoma. English summary.

2123-69
A RAPID METHOD FOR DETERMINING THE PATHOGENICITY AND FACTORS ASSOCIATED WITH PATHOGENICITY OF PHYTOPHTHORA CACTORUM.
Z Boreeki D F Millikan
Phytopathology 59(2):247-248
Feb 1969 464.8 P56
Apples, Fungus diseases (plants), Methodology, Pathogenicity, Phloem, Phytophthora cactorum, Plant disease resistance.

2124-69
STEM PITTING OF ITALIAN PRUNE.
H R Cameron
Plont Dis Rep 53(1):4-6
Jan 1969 1.9 P69P
Myrobalan plums, Plums, Prunus, Stem pitting, Symptomatology, Virus diseases (plants). Correction, ibid 53(5):408, May, 1969 of illustrations on p. 6.

2125-69
KINETIN-LIKE SUBSTANCES PRODUCED BY PLANT TUMORS.
F M Catarino F Resende
Port Acto Biol Ser A (SER A)9(3/4):373-382 REF
1966 442.8 P83
Agrobacterium tumefaciens, Crown galls, Kinetin, Plant galls, Plant genetics.

2126-69
MECHANISM OF RESISTANCE OF CARROT ROOTS TO PYTHIUM APHANIDERMATUM (EDS.) FITZ.
D K Chakravarty D N Srivastava
Phytopathol Z 60(3):259-261
Nov 1967 464.8 P562
Carrots, Fungus diseases (plants), Inhibitors, Phenols, Plant disease resistance, Plant protective devices, Pythium aphanidermatum, Rhizopus stolonifer, Roots. German summary.

2127-69
EFFECT OF 2,4-DICHLOROPHENOXYACETIC ACID ON TOBACCO MOSAIC VIRUS INFECTION.
P C Cheo
Phytopathology 59(2):243-244 REF
Feb 1969 464.8 P56
Cucumbers, D. 2,4-, Dosage, Mosaic, Plant disease resistance, Plant physiology, Tobacco, Virus diseases (plants).

2128-69
CONTRIBUTION TO THE APPLICATION METHOD FOR FUNGICIDES TO CONTROL POTATO BLIGHT. (CZ)
Z Chladek
Agrochemio 8(7):208-213
1968 385 AG88
Brown rot, Chemical control (plant diseases), Copper, Fungicides, Fungus diseases (plants), Leaves, Pesticide application, Potatoes, Spraying. English, Russian, and, German summaries.

2129-69
SUSCEPTIBILITY OF THREE PINE SPECIES TO SCLERODERRIS LAGERBERGII IN UPPER MICHIGAN.
C E Cordell D D Skilling J W Benzie
Plant Dis Rep 52(1):37-39
Jan 1968 1.9 P69P
Fungus diseases (plants), Mortality, Pinus banksiana, Pinus resinosa, Pinus sylvestris, Plant disease resistance, Scleroderris lagerbergii, Suseeptibility.

2130-69
BACTERIAL FRUIT ROT OF WATERMELON IN FLORIDA.
J M Crall N C Schenck
Plont Dis Rep 53(1):74-75
Jan 1969 1.9 P69P
Bacterial diseases (plants), Bacterial leaf spot, Fruit rot, Symptomatology, Watermelons.

2131-69
LOCAL REACTION AND CROSS PROTECTION FOR STRAINS OF SQUASH MOSAIC VIRUS.
J W Demski
Phytopothology 59(2):251-252
Feb 1969 464.8 P56
Mosaic, Plant breeding, Plant disease resistance, Plant protection, Squash, Symptomatology, Virus diseases (plants).

2132-69
THE EFFECTS OF IPC, CIPC, SEVIN AND ZECTRAN ON BACILLUS SUBTILIS.
R DeGiovanni-Donnelly S M Kolbye P D Greeves
Experientia 24(1):80-81
15 Jan 1968 475 EX7
Bacillus subtilis, Bacteriology, Carbaryl, Herbicides, Insecticides, Ipc, Mutation, Zectran.

2133-69
ALFALFA MOSAIC VIRUS-INDUCED LESIONS ON BEAN: EFFECT OF LIGHT AND TEMPERATURE.
P R Desjardins
Plont Dis Rep 53(1):30-33 REF
Jan 1969 1.9 P69P
Alfalfa, Beans, Light, Mosaic, Plant physiology, Symptomatology, Temperature, Virus diseases (plants).

2134-69
BACTERIOPHAGE LABELING OF PSEUDOMONAS SYRINGAE.
W M Dowler
Phytopathology 59(2):245-246
Feb 1969 464.8 P56
Bacterial canker, Bacterial diseases (plants), Bacteriophages, Culture media, Labeling, Peaches, Pseudomonas syringae.

2135-69
BACTERIOPHAGE REACTIONS AND PATHOGENIC SPECTRA OF XANTHOMONAS SPECIES TO COTTON.
T A El-Sharkawy
Diss Abstr Sect B 29(7):2256B
Jan 1969 Z5055.U49D53
Bacteriophages, Cotton, Crop varieties, Isolates, Pathogenic bacteria, Pathogenicity, Xanthomonas.

2136-69
CHEMICAL CONTROL OF SCAB ON CITRUS IN FLORIDA.
F E Fisher
Plont Dis Rep 53(1):19-22
Jan 1969 1.9 P69P
Chemical control (plant diseases), Citrus, Ferbam, Fungus diseases (plants), Herbicides, Scab, Spraying, Triphenyltin hydroxide.

2137-69
FREE AMINO ACID CONTENTS IN CORN INFECTED WITH MAIZE DWARF MOSAIC VIRUS AND SUGARCANE MOSAIC VIRUS.
R E Ford J C Tu
Phytopothology 59(2):179-182 REF
Feb 1969 464.8 P56
Amides, Amino acids, Ammonium, Corn, Dwarf mosaic, Mosaic, Sugarcane, Symptomatology, Virology, Virus diseases (plants).

2138-69
ANNOSUS ROOT-ROT IN SLASH PINE PLANTATIONS FOUR YEARS AFTER THINNING AND STUMP TREATMENTS.
J H Ginns C H Driver
Plont Dis Rep 53(1):23-25
Jan 1969 1.9 P69P
Ammonium sulfamate, Chemical control (plant diseases), Creosote, Fomes annosus, Fungus diseases (plants), Pentachlorophenol, Pinus elliottii, Root rot, Thinning (trees), Tributyltin oxide, Urea.

2139-69
HOST RESISTANCE RESPONSES- AN INDUCTION HYPOTHESIS.
L A Hadwiger M E Schwochau
Phytopathology 59(2):223-227 REF
Feb 1969 464.8 P56
Cells, Genes, Microorganisms, Plant disease resistance, Plant diseases, Symbiosis, Symptomatology.

2140-69
THE LONGEVITY OF CONIDIA OF SCLEROTINIA FRUCTICOLA (WINT.) REHM UNDER FIELD CONDITIONS.
P T Jenkins
Austrolion J Biol Sci 21(5):937-945 REF
Oct 1968 442.8 AU72
Bacillus cereus, Brown rot, Conidia, Environment, Fruit, Fungus diseases (plants), Longevity, Orchards, Plant physiology, Sclerotinia fructicola.

2141-69
GRAIN YIELD OF CORN REDUCED BY MAIZE DWARF MOSAIC VIRUS INFECTION.
L M Josephson J W Hilty J M Arnold H C Kincer J R Overton
Plant Dis Rep 53(1):61-63
Jan 1969 1.9 P69P
Corn, Crop varieties, Crop yields, Dwarf mosaic, Grain, Plant disease resistance, Plant physiology, Virus diseases (plants).

2142-69
THE COAT PROTEIN GENE OF TOBACCO MOSAIC VIRUS. I. LOCATION OF THE GENE BY MIXED INFECTION.
C I Kado C A Knight
J Molec Biol 36(1):15-23 REF
28 Aug 1968 442.8 J8224
Biological assay, Biological control (plant diseases), Culture media, Electron microscopy, Electrophoresis, Genes, Mosaic, Polyacrylamide, Proteins, Ribonucleic acid, Synthesis, Tobacco, Virus diseases (plants).

2143-69
FRUIT ROT OF PAPAYA (CARICA PAPAYA L.) CAUSED BY MACROPHOMINA PHASEOLI (MAUBL). ASHBY.
S P Kapoor J S Chohan
Prog Farming 5(1):56-57
Mar 1968 S19.P8
Diagnosis, Fruit rot, Fungus diseases (plants), Macrophomina phaseoli, Papayas, Symptomatology.

2144-69
BIOCHEMICAL STUDIES ON SCLEROTIUM ROLFSII SACC.
F A Keller
Diss Abstr Sect B 29(7):2549B
Jan 1969 Z5055.U49D53
Biochemistry, Chromatography, Fungi, Hydrolysis, Melanins, Polysaccharides, Sclerotium rolfsii.

2145-69
VIRULENCE OF VARIOUS GROUPS OF LOOSE SMUT OF BARLEY (USTILAGO NUDA (JENS.) ROSTRI) PHYSIOLOGICAL RACES IN THE LIGHT OF ANATOMICAL INVESTIGATIONS OF BARLEY VARIETIES DIFFERENT WITH REGARD TO RESISTANCE. 2. THE EFFECT OF INFECTION UPON ANATOMICAL FEATURES OF PLANTS. (POL)
W Kozera
Hodowla Roslin Aklimatyzacja Nasiennictwo 11(3):287-301 REF
1967 64.8 H66
Barley, Crop varieties, Fungus diseases (plants), Loose smut, Plant anatomy, Plant disease resistance, Ustilago nuda. English and Russian summaries. anatomy a selection aid in breeding resistant varieties.

2146-69
INFLUENCE OF SOIL WATER AND TEMPERATURE ON THE PEA ROOT ROT COMPLEX CAUSED BY PYTHIUM ULTIMUM AND FUSARIUM SOLANI F. SP. PISI.
J M Kraft D D Roberts
Phytopathology 59(2):149-152 REF
Feb 1969 464.8 P56
Fungus diseases (plants), Fusarium solani, Peas, Pythium ultimum, Root rot, Soil moisture, Soil temperature.

2147-69
BIOCHEMICAL CONTROL OF DISEASE RESISTANCE IN PLANTS.
J Kuc
Plant Protect Abs 4:204-205
Sep 1968 241.75 P69
Biochemistry, Plant disease resistance, Plant physiology. World Review of Pest Control, vol. 7, no. 1, spring 1968, p.42-53.

2148-69
SURVIVAL OF FOMES ANNOSUS SPORES IN SOIL.
E G Kuhlman
Phytopathology 59(2):198-201 REF
Feb 1969 464.8 P56
Fomes annosus, Forest soils, Fungus diseases (plants), Plant physiology, Soil hydrogen-ion concentration, Soil series, Spores.

2149-69
AN INCIDENCE OF THE EFFECT OF GLYCINE ON THE VIRULENCE OF A STRAIN OF AGROBACTERIUM TUMEFACIENS (SMITH AND TOWN) CONN. (FR)
A Kurkdjian P Manigault
Phytopathol Z 60(3):291-297 REF
Nov 1967 464.8 P562
Agrobacterium tumefaciens, Bacteria, Bacterial diseases (plants), Datura stramonium, Glycine, Growth, Plant galls, Vancomycin, Virulence. English and German summaries.

2150-69
PLOT TECHNIQUES WITH MAIZE DWARF MOSAIC VIRUS: II. GREENHOUSE STUDIES.
D R MacKenzie C C Wernham
Plant Dis Rep 52(1):28-30
Jan 1968 1.9 P69P
Buffer substances, Corn, Dwarf mosaic, Equipment, Greenhouse culture, Plant disease transmission, Seedlings, Virus diseases (plants).

2151-69
GENETIC AND CYTOGENETIC STUDIES OF STEM RUST, LEAF RUST, AND POWDERY MILDEW RESISTANCES IN HOPE AND RELATED WHEAT CULTIVARS.
R A McIntosh N H Luig E P Baker
Australian J Biol Sci 20(6):1181-1192 REF
Dec 1967 442.8 AU72
Crop varieties, Cytogenetics, Fungus diseases (plants), Leaf rust, Plant disease resistance, Plant genetics, Powdery mildew, Stem rust, Wheat.

2152-69
FUNGAL DISEASES OF BANANAS IN HAWAII.
D S Meredith
Plant Dis Rep 53(1):63-66 REF
Jan 1969 1.9 P69P
Bananas, Epidemiology, Fungus diseases (plants), Symptomatology.

2153-69
CELL INCLUSIONS OF HOLMES' RIBGRASS VIRUS, AN ANALOG OF TOBACCO MOSAIC VIRUS. (GE)
D Milicic
Naturwissenschaften 55(2):90-91
Feb 1968 474 N213
Analogs, Plantago, Serological tests, Tobacco, Virus diseases (plants).

2154-69
STEM PITTING IN PRUNUS SPP. OTHER THAN PEACH.
S M Mircetich H W Fogle
Plant Dis Rep 53(1):7-11
Jan 1969 1.9 P69P
Epidemiology, Prunus, Stem pitting, Symptomatology, Virus diseases (plants).

2155-69
AN APPROACH TO THE STUDY OF THE POPULATION DYNAMICS OF APHANOMYCES EUTEICHES IN SOIL.
J E Mitchell H S Balla G Yang
Phytopathology 59(2):206-212
Feb 1969 464.8 P56
Aphanomyces euteiches, Fungus diseases (plants), Peas, Population, Quantitative analysis, Root rot, Seedlings, Soil fungi, Vermiculite.

2156-69
32P AND 35S TRANSFER FROM SUSCEPTIBLE WHEAT TO ERYSIPHE GRAMINIS F. SP. TRITICI DURING PRIMARY INFECTION.
M S Mount A H Ellingboe
Phytopathology 59(2):235
Feb 1969 464.8 P56
Biological transport, Erysiphe graminis tritici, Fungus diseases (plants), Phosphorus isotopes, Plant disease transmission, Wheat.

2157-69
NODULATION OF MEDICAGO SATIVA IN SOLUTION CULTURE. III. EFFECTS OF NITRATE ON ROOT HAIRS AND INFECTION.
D N Munns
Plant Soil 29(1):33-47 REF
Aug 1968 450 P696
Alfalfa, Culture media, Nitrates, Nodules (plants), Plant diseases, Plant protection, Root hairs.

2158-69
GENE DOSAGE EFFECTS ON MONOGENIC CHLOROTIC LESION RESISTANCE TO NORTHERN CORN LEAF BLIGHT.
T Namm
Diss Abstr Sect B 29(7):2305B
Jan 1969 Z5055.U49D53
Alleles, Chlorosis, Corn, Dosage, Fungus diseases (plants), Genes, Helminthosporium turcicum, Lesions, Plant disease resistance, Plant genetics, Seedlings.

2159-69
EPIDEMIOLOGY OF CUCUMBER MOSAIC AND OTHER VIRUS DISEASES OF LETTUCE IN ARIZONA.
M R Nelson R T McKittrick
Plant Dis Rep 53(1):27-29 REF
Jan 1969 1.9 P69P
Cucumbers, Epidemiology, Lettuce, Mosaic, Virus diseases (plants).

2160-69
THE IDENTIFICATION OF GENES FOR PATHOGENICITY IN COCHLIOBOLUS CARBONUM.
R R Nelson D M Kline
Phytopathology 59(2):164-167
Feb 1969 464.8 P56
Cochliobolus carbonum, Fungus diseases (plants), Genes, Grasses, Identification, Plant genetics.

2161-69
EFFECTS OF TEMPERATURE ON EXPRESSION AND TRANSMISSION OF STUBBORN DISEASE OF CITRUS.
E O Olson B Rogers
Plant Dis Rep 53(1):45-49 REF
Jan 1969 1.9 P69P
Citrus, Mottle, Plant disease transmission, Symptomatology, Temperature, Virus diseases (plants).

2162-69
HERITABILITY OF SEEDING DISEASE CHARACTERISTICS IN FLAX.
A O Omran R A Frederiksen I M Atkins
Crop Sci 8(6,NOV-DEC):750-753 REF
1968 64.8 C883
Flax, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Rhizoctonia solani, Seedlings.

2163-69
EAR REMOVAL AND CELL DEATH RATE IN CORN STALK TISSUE.
A J Pappelis R A Katsanos
Phytopathology 59(2):129-131 REF
Feb 1969 464.8 P56
Cells, Corn, Corn ear, Diplodia zeae, Fungus diseases (plants), Gibberella zeae, Mortality, Pruning, Roots, Tissues.

2164-69
DUTCH ELM DISEASE FOUND IN IDAHO.
A D Partridge
Plant Dis Rep 52(1):46
Jan 1968 1.9 P69P
Ceratocystis ulmi, Diagnosis, Dieback, Epidemiology, Fungus diseases (plants), Ulmus americana.

2165-69
EFFECT OF DIMETHYL SULFOXIDE ON TOBACCO MOSAIC.
T S Pine
Plant Dis Rep 52(1):61-63
Jan 1968 1.9 P69P
Biochemistry, Chemical control (plant diseases), Dimethyl sulfoxide, Metabolism, Mosaic, Spraying, Tobacco, Virology, Virus diseases (plants).

2166-69
ONTOGENY OF VESSELS INFLUENCE THE DEVELOPMENT OF VERTICILLIUM IN YOUNG COTTON PLANTS.
J T Presley E E Taylor
Phytopathology 59(2):253-254
Feb 1969 464.8 P56
Conidia, Cotton, Fungus diseases (plants), Morphology, Ontogeny, Seedlings, Verticillium albo-atrum, Wilt, Xylem.

2167-69
CHEMICAL AND BIOLOGICAL PROPERTIES OF PHYTOTOXIC GLYCOPEPTIDES ISOLATED FROM CORYNEBACTERIUM MICHIGANENSE.
P V Rai
Diss Abstr Sect B 29(7):2257B-2258B
Jan 1969 Z5055.U49D53
Autoradiography, Bacterial diseases (plants), Biochemistry, Chromatography, Corynebacterium michiganense, Electron microscopy, Glycopeptides, Phytotoxicity, Symptomatology.

2168-69
INVESTIGATIONS CONCERNING RINGSPOT VIRUS DISEASE OF THE CHERRY. III. SEROLOGICAL INVESTIGATIONS. (GE)
J Richter H Kegler

Phytapathol Z 60(3):262-272 REF
Nov 1967 464.8 P562
Cherries, Plums, Prune dwarf, Ring spot, Serological tests, Virus diseases (plants). English summary

2169-69
A LABORATORY ASSAY FOR DETERMINING PATHOGENICITY OF PHYTOPHTHORA SPP. TO TOMATO.
G I Robertson
New Zeal J Agr Res 11(1):211-214
Feb 1968 23 N4892
Biological assay, Fungus diseases (plants), Methodology, Pathogenicity, Phytophthora, Tomatoes.

2170-69
CYTOGENETIC STUDIES ON THE RESISTANCE OF HORDEUM SATIVUM JESS. MUTANTS, VALTICKY VARIETY, TO SOME FUNGUS DISEASES. (POL
M Rozmus
Hadawla Raslin Aklimatyzacja Nasiennictwo 11(3):357-364 REF
1967 64.8 H66
Barley, Crop varieties, Cytogenetics, Fungus diseases (plants), Plant disease resistance, Plant genetics, Plant mutation. English and Russian summaries.

2171-69
DISTRIBUTION OF CUCURBIT VIRUSES IN KANSAS.
E A Salama W H Sill
Plant Dis Rep 52(1):11-14 REF
Jan 1968 1.9 P69P
Cucumbers, Epidemiology, Mosaic, Ring spot, Squash, Tobacco, Virus diseases (plants), Watermelons.

2172-69
CUCURBIT VIRUS STUDIES IN HAWAII.
S Shanmugasundaram M Ishii J C Gilbert H Nagai
Plant Dis Rep 53(1):70-74 REF
Jan 1969 1.9 P69P
Crop varieties, Cucumbers, Cucurbita, Epidemiology, Momordica charantia, Mosaic, Plant disease resistance, Symptomatology, Virus diseases (plants).

2173-69
PROPERTIES OF A VIRUS CAUSING POKEWEED MOSAIC.
R J Shepherd J P Fulton R J Wakeman
Phytapathology 59(2):219-222 REF
Feb 1969 464.8 P56
Aphididae, Insect vectors, Mosaic, Phytolacca americana, Plant disease transmission, Virology, Virus diseases (plants).

2174-69
RESISTANCE MECHANISMS AGAINST ONION PINK ROOT (PYRENOCHAETA TERRESTRIS), BIOASSAY OF INOCULUM POTENTIAL IN SOIL AND CHEMICAL CONTROL.
S R Siemer
Diss Abstr Sect B 29(7):2258B
Jan 1969 Z5055.U49D53
Allium fistulosum, Biological assay, Chlorinated hydrocarbons, Chromatography, Crop varieties, Fumigation, Fungus diseases (plants), Onions, Phenolases, Plant disease resistance, Plant extracts, Plant growth inhibitors, Pyrenochaeta terrestris, Soil treatment, Thiocarhamates.

2175-69
ELECTRON MICROSCOPIC OBSERVATIONS ON THE CAUSAL AGENT OF THE BRAZILIAN TOMATO RING SPOT DISEASE.
K Silberschmidt D R Weigl T A Salomao
Phytopathol Z 60(3):278-290 REF
Nov 1967 464.8 P562
Electron microscopy, Impatiens parviflora, Nicotiana glutinosa, Rattle disease, Ring spot, Tobacco, Tomatoes, Virology, Virus diseases (plants). German summary.

2176-69
ADDITIONAL SOURCES OF TOLERANCE TO OAT CROWN RUST.
M D Simons
Plant Dis Rep 52(1):59-61
Jan 1968 1.9 P69P
Crop varieties, Crop yields, Crown rust, Fungus diseases (plants), Oats, Plant disease resistance, Plant hardiness, Puccinia coronata.

2177-69
SOME COMPARISONS OF CHLOROSIS-INDUCING PSEUDOMONAD TOXINS.
S L Sinden R D Durbin
Phytopathalogy 59(2):249-250 REF
Feb 1969 464.8 P56
Bacterial diseases (plants), Chlorosis, Halo blight, Heat, Ornithine, Pseudomonads, Pseudomonas coronafaciens, Pseudomonas glycinea, Pseudomonas phaseolicola, Pseudomonas tabaci, Symptomatology, Toxins.

2178-69
PYRIMIDINE HYDRATES AND DIMERS IN ULTRAVIOLET-IRRADIATED TOBACCO MOSAIC VIRUS RIBONUCLEIC ACID.
G D Small M Tao M P Gordon
J Molec Biol 38(1):75-87 REF
28 Nov 1968 442.8 J8224
Chromatography, Hydrates, Hydrolysis, Irradiation, Mosaic, Photochemistry, Pyrimidines, Ribonucleic acid, Tobacco, Ultraviolet rays, Virus diseases (plants).

2179-69
THE EFFECT OF APHID NUMBERS AND STAGE OF PLANT GROWTH IN DETERMINING TOLERANCE TO BARLEY YELLOW DWARF VIRUS IN CEREALS.
H C Smith
New Zeal J Agr Res 10(3-4,AUG-NOV):445-466 REF
Nov 1967 23 N4892
Aging, Aphididae, Grain, Insect infestation, Insect vectors, Plant breeding, Plant disease resistance, Virus diseases (plants), Yellow dwarf.

2180-69
MORPHOLOGY, PATHOGENICITY, AND CULTURAL CHARACTERISTICS OF SINGLE CONIDIUM ISOLATES OF ALTERNARIA LONGIPES.
E K Sobers B Doupnik
Phytapathology 59(2):202-205
Feb 1969 464.8 P56
Alternaria longipes, Brown spot, Conidia, Culture media, Fungus diseases (plants), Plant morphology, Plant physiology, Tobacco.

2181-69
PHYTOPHTHORA CROWN AND ROOT ROT OF HOPS IN CALIFORNIA.
R M Sonoda J M Ogawa
Plant Dis Rep 52(1):76-78
Jan 1968 1.9 P69P
Crown rot, Epidemiology, Fungus diseases (plants), Fusarium, Hops, Phytophthora, Pythium, Root rot.

2182-69
DOWNY MILDEW OF SORGHUM IN GEORGIA.
G Sowell H B Harris
Plant Dis Rep 53(1):4
Jan 1969 1.9 P69P
Crop yields, Downy mildew, Fungus diseases (plants), Sclerospora sorghi, Sorghum, Symptomatology.

2183-69
EPIDEMIOLOGY AND PREVENTION OF BACTERIAL BLIGHT DISEASE OF RICE IN INDIA.
D N Srivastava Y P Rao
Int Rice Comm News Lett 17(1):27-33
Mar 1968 59.9 IN83N
Bacterial blight, Bacterial diseases (plants), Chemical control (plant diseases), Epidemiology, Irrigation, Pathology, Plant disease resistance, Plant diseases, Rice, Seed analysis, Spraying, Xanthomonas oryzae.

2184-69
THE EFFECT OF DRAINAGE ON PHYSIOLOGICAL DISORDERS OF RICE GROWN ON THE SUB-COASTAL PLAINS OF THE ADELAIDE RIVER, N.T.
R W Strickland
Australian J Exp Agr Anim Husb 8(31):212-222 REF
Apr 1968 23 AU792
Chlorosis, Clay soils, Drainage, Plant diseases, Plant physiology, Plant water relations, Rice, Root rot.

2185-69
DIFFERENCES IN REACTION TO PUCCINIA STRIIFORMIS BETWEEN FIRST AND SECOND LEAVES IN WHEAT CROSSES.
R W Stubbs
Neth J Plant Pathol 74(4):122-123
1968 464.8 T44
Fungus diseases (plants), Leaves, Plant disease resistance, Plant genetics, Puccinia striiformis, Rust, Seedlings, Wheat. Dutch summary.

2186-69
STUDIES ON THE BROWN-EYE-SPOT DISEASE (CERCOSPORA COFFEICOLA BERK. ET CKE.) OF COFFEE (COFFEA ARABICA L.). V. NUTRITIONAL REQUIREMENTS OF THE PATHOGEN.
S Subramanian
Phytopathol Z 60(3):247-258 REF
Nov 1967 464.8 P562
Cercospora coffeicola, Coffea arabica, Fungus diseases (plants), Glucose, Mannitol, Nutrition, Sporulation. German summary. 31 carbon, 24 nitrogen and 8 sulphur sources were tried.

2187-69
COMPARISON OF CHLORO AND THIOCYANATO GROUPS AS FUNGAL TOXIPHORES IN DINITROBENZENES.
L A Summers A L Black
Naturwissenschaften 55(6):299
Jun 1968 474 N213
Aromatic hydrocarbons, Aspergillus, Fungicides, Moniliales, Peronospora tabacina, Spores, Thiocyanates, Venturia inaequalis.

Aromatic hydrocarbons with chloro and thiocyanate groups attached were tested by spore germination as fungicides against several moniales species. The thiocyanate compounds were not phytotoxic.

2188-69
ENZYMIC BROWNING AND FREE TYROSINE IN POTATOES AS AFFECTED BY PENTACHLORONITROBENZENE.
J P Sweeney P A Simandle
J Agr Food Chem 16(1,JAN-FEB):25-27 REF
1968 381 J8223
Brown rot, Chemical control (plant diseases), Enzymes, Fungicides, Fungus diseases (plants), Pentachloronitrobenzene, Plant physiology, Potatoes, Rhizoctonia solani, Streptomyces scabies, Tyrosine.

2189-69
PURIFICATION AND PROPERTIES OF BROAD BEAN WILT VIRUS.
R H Taylor P R Smith C Reinganum A J Gibbs
Australian J Biol Sci 21(5):929-935 REF
Oct 1968 442.8 AU72
Broadbeans, Mosaic, Mottle, Particle size determination, Purification, Red clover, Ribonucleic acid, Serological tests, Squash, Virology, Virus diseases (plants), Wilt.

2190-69
INTERACTION OF MAIZE DWARF MOSAIC VIRUS STRAINS AND SUGARCANE MOSAIC VIRUS H IN CORN.
J C Tu R E Ford
Phytopathology 59(2):173-178

Feb 1969 464.8 P56
Corn, Dwarf mosaic, Mosaic, Plant disease resistance, Sugarcane, Virology, Virus diseases (plants).

2191-69
EVALUATION OF FUNGICIDES FOR USE AGAINST MARASMIUS PALMIVORUS ON OIL PALMS.
P D Turner
Exp Agr 3(2):129-135 REF
Apr 1967 10 EX72
African oilpalm, Fungicides, Fungus diseases (plants), Marasmius palmivorus, Mercury, Organic compounds, Spraying.

2192-69
PLOT TECHNIQUES WITH MAIZE DWARF MOSAIC VIRUS: I. FIELD STUDIES, 1966.
C C Wernham D R MacKenzie
Plant Dis Rep 52(1):24-28
Jan 1968 1.9 P69P
Corn, Dwarf mosaic, Epidemiology, Equipment, Plant breeding, Plant disease resistance, Plant disease transmission, Virus diseases (plants).

2193-69
A NEW SOURCE OF HIGH PROTEIN IN OATS.
D E Western
Northwest Crop Produc Conf Rep 1967 MEETING:51-52
1967 464.9 N813
Food, Oats, Plant biochemistry, Plant disease resistance, Proteins, Rust.

2194-69
CYTOLOGY OF THE SPORANGIUM OF PHYTOPHTHORA CAPSICI.
W T Williams
Diss Abstr Sect B 29(7):2259B
Jan 1969 Z5055.U49D53
Fungi, Phytophthora capsici, Plant cytology, Plant physiology, Ribosomes, Soil extracts, Sporangium.

2195-69
DUTCH ELM DISEASE DETECTED IN MISSISSIPPI.
R D Wolfe C L Hatch
Plant Dis Rep 53(1):3
Jan 1969 1.9 P69P
Ceratocystis ulmi, Dieback, Fungus diseases (plants), Insect vectors, Scolytus multistriatus, Ulmus alata, Ulmus americana.

2196-69
WIND DISPERSAL OF PUCCINIA HORIANA.
R Zandvoort
Neth J Plant Pathol 74(4):124-127
1968 464.8 T44
Chrysanthemum morifolium, Fungi dissemination, Fungus diseases (plants), Puccinia horiana, Rust, Wind. Dutch summary.

2197-69
ON THE INCUBATION PERIOD OF PUCCINIA HORIANA.
R Zandvoort C A M Groenewegen J C Zadoks
Neth J Plant Pathol 74(4):128-131
1968 464.8 T44
Chrysanthemum, Fungus diseases (plants), Puccinia horiana, Temperature, Time. Dutch summary.

2198-69
THE RAPID DEVELOPMENT AND SPREAD OF STRAIN B DOWNY MILDEW OF LIMA BEANS.
W J Zaumeyer R E Wester
Plant Dis Rep 53(1):25-26
Jan 1969 1.9 P69P
Crop varieties, Downy mildew, Fungus diseases (plants), Lima beans, Phytophthora phascoli, Plant morphology, Plant physiology.

2199-69
INFLUENCE OF THE PROLIFERATION VIRUS UPON THE QUALITY AND QUANTITY OF APPLE FRUITS.
B Zawadzka D F Millikan L C Cochran
Plant Dis Rep 53(1):41-43
Jan 1969 1.9 P69P
Apples, Crop varieties, Crop yields, Quantitative analysis, Virus diseases (plants).

ARTHROPODS

2200-69
ANNOTATED LIST OF INSECTS INFESTING BARK AND WOOD OF FRASER FIR.
G D Amman
J Econ Entomol 62(1):249-250
17 Feb 1969 421 J822
Abies fraseri, Adelges piceae, Bark, Insect pests, Tree injuries, Wood.

2201-69
DOMESTIC QUARANTINE NOTICES. CEREAL LEAF BEETLE.
R J Anderson
Fed Regist 34(59,PT 1):5710-5713
27 Mar 1969 L1.451
Agricultural regulation, Cereal leaf beetle, Interstate commerce, Quarantine, Regulations.

2202-69
SCIENTISTS ATTACK CORN BORER.
Anonymous
Michigan Farmer 251(2):33
18 Jan 1969 6 M58
Chemical control (insects), Corn borers, Dimboa, Feed, Plant pest resistance, Spraying.

2203-69
LEAF CHANGES BROUGHT ABOUT BY EMPOASCA FLAVESCENS F. (HOM. TYPHLOCYBIDAE) ON APPLE TREES. (FR)
M Baggiolini
Schweiz Entomol Ges Mitt 40(3/4):257-262
15 Apr 1968 420 SW6
Apples, Empoasca flavescens, Insect pests, Leaves, Typhlocybidae.

2204-69
A MASS SCREENING PROCEDURE FOR ISOLATING ALFALFA SEEDLINGS WITH RESISTANCE TO THE ALFALFA WEEVIL.
D K Barnes B L Norwood C H Hanson R H Ratcliffe
J Econ Entomol 62(1):66-69 REF
17 Feb 1969 421 J822
Alfalfa, Breeding, Hypera postica, Insect pests, Light, Plant pest resistance, Seedlings, Temperature.

2205-69
THE ECOLOGY OF A NATURAL POPULATION OF THE QUEENSLAND FRUIT FLY, DACUS TRYONI. I. THE PARAMETERS OF THE PUPAL AND ADULT POPULATIONS DURING A SINGLE SEASON.
M A Bateman F J Sonleitner
Australian J Zool 15(2):303-335 REF
Mar 1967 410 AU73
Dacus tryoni, Demography, Insect ecology, Insect populations, Seasonal variation.

2206-69
GREENHOUSE STUDIES OF HOST PLANT SUITABILITY TO GRAMINELLA NIGRIFRONS, A VECTOR OF CORN STUNT VIRUS.
F J Boyd H N Pitre
J Econ Entomol 62(1):126-130 REF
17 Feb 1969 421 J822
Corn, Graminella nigrifrons, Greenhouse culture, Insect biology, Insect vectors, Plant hosts, Stunt, Virus diseases (plants).

2207-69
A LABORATORY COMPARISON OF THE EFFECTS OF SOME INSECTICIDES ON THE ARGENTINE STEM WEEVIL (HYPERODES BONARIENSIS KUSCHEL) (COLEOPTERA: CURCULIONIDAE).
R S Buchanan R A Harrison
New Zeal J Agr Res 10(1):82-86
Feb 1967 23 N4892
Biological assay, Chemical control (insects), Diazinon, Hyperodes bonariensis, Insecticides, Organophosphorus compounds.

Bayer s767 and diazinon were found to be most effective of eleven insecticides tested on the Argentine stem weevil, Hyperodes bonariensis, in a laboratory assay.

2208-69
A BOLL WEEVIL OVIPOSITION SUPPRESSION FACTOR IN COTTON.
W T Buford J N Jenkins F G Maxwell
Crop Sci 8(6,NOV-DEC):647-649 REF
1968 64.8 C883
Anthonomus grandis, Crop varieties, Insect breeding, Laboratory animals, Oviposition, Plant genetics, Plant pest resistance, Upland cotton.

2209-69
EFFECT OF TEMPERATURE, LIGHT, AND DATE OF COLLECTION ON THE FEEDING RATE OF THE SWEETCLOVER WEEVIL.
C O Calkins
J Econ Entomol 62(1):169-171
17 Feb 1969 421 J822
Biological control (insects), Experimental insects, Feeding, Insect behavior, Insect collection, Light, Plant pest resistance, Sitona cylindricollis, Sweetclover, Temperature.

2210-69
RECORD OF ACANTHOLYDA CIRCUMCINCTA (HYMENOPTERA: PAMPHILIIDAE) IN FLORIDA.
C W Chellman
Fla Entomol 52(1):51
Mar 1969 420 F662
Acantholyda circumcincta, Pamphiliidae, Pinus clausa, Zoogeography.

2211-69
CHEMICAL CONTROL OF MANGO HOPPERS (IDIOCERUS SPP.).
S K Chikkerur
Plant Protect Bull 19(3):39-41
1967 421 P69
Chemical control (insects), DDT, Dosage, Endrin, Idiocerus, Insect pests, Mangoes, Spraying, Sulfur.

2212-69
AN OAK LEAF TIER, CROESIA SEMIPURPURANA (KFT.) (LEPIDOPTERA: TORTRICIDAE) IN THE REGION OF QUEBEC. (FR)
P Cochaux
Entomol Soc Quebec Ann 13(2):98-107 REF
May 1968 420 EN822
Croesia semipurpurana, Forest insects, Insect biology, Insect eggs, Insect morphology, Insect temperature, Larvae, Parasitism, Quercus rubra, Tortricidae. English summary.

2213-69
CONSIDERATION OF THE PROBLEMS RAISED BY THE RECENT CECIDOMYIID ATTACK ON CORN FLOWERS. (FR)
R Coutin
Paris Acad Agr France Compt Rend Hebd Seances 54(9):725-729 REF
17 Jun 1968 14 P215BC
Cecidomyiidae, Chemical control (insects), Corn, Crop yields, Cultural control (insects), Diapause, Larvae, Weather, Zoogeography.

2214-69
TRANSMISSION OF MAIZE DWARF MOSAIC BY THE GREENBUG, SCHIZAPHIS GRAMINUM.
N E Daniels R W Toler
Plant Dis Rep 53(1):59-61
Jan 1969 1.9 P69P
Aphididae, Corn, Dwarf mosaic, Insect vectors, Plant disease transmission, Schizaphis graminum, Sorghum, Sugarcane, Virus diseases (plants).

2215-69
RHYACIA AUGUR F. AND OTHER CLIMBING CUTWORMS (LEPIDOPTERA).
S Ekholm
Notulae Entomol 47(2):54-56 MAP

1967 421 N84

Fruit, Insect biology, Larvae, Noctuidae, Rhyacia augur, Zoogeography.

The biology of Rhyacia augur and other climbing cutworms in Finland is discussed in relation to the damage produced on pome fruits and other plant species. A map showing the Finnish localities where the noctuid larvae have been reported as pests on fruit trees is included.

2216-69

FEEDING STIMULANTS FROM PLANTS FOR LARVAE OF THE TOBACCO BUDWORM AND BOLLWORM.

A A Guerra T N Shaver

J Econ Entomol 62(1):98-100

17 Feb 1969 421 J822

Corn, Cottonseed, Food, Heliothis virescens, Heliothis zea, Insect behavior, Insect nutrition, Larvae, Plant extracts, Stimulants.

2217-69

MALE BOLL WEEVILS ARE MORE ATTRACTIVE THAN COTTON PLANTS TO BOLL WEEVILS.

D D Hardee W H Cross E B Mitchell

J Econ Entamol 62(1):165-169 REF

17 Feb 1969 421 J822

Anthonomus grandis, Attractants, Baits, Biological control (insects), Cotton, Insect pests, Insect traps, Pheromones.

2218-69

EFFECT OF ATTACK BY COSTELYTRA ZEALANDICA (WHITE) LARVAE ON RYEGRASS VARIETIES.

J M Kelsey

New Zeal J Agr Res 10(1):172-175

Feb 1967 23 N4892

Costelytra zealandica, Demography, Insect infestation, Larvae, Lolium.

2219-69

STUDIES OF THE ECOLOGY OF THE CABBAGE APHID (BREVICORYNE BRASSICAE (L.)) ON BRASSICA FIELD CROPS IN CANTERBURY, NEW ZEALAND. II. POPULATION STUDY, 1959-60.

K P Lamb A D Lowe

New Zeal J Agr Res 10(1):87-108

Feb 1967 23 N4892

Brassica, Brevicoryne brassicae, Demography, Insect ecology, Surveys.

2220-69

A NEW BIOTYPE OF CABBAGE APHID (BREVICORYNE BRASSICAE (L.)) ON APHID RESISTANT RAPE (BRASSICA NAPUS L.).

J Lammerink

New Zeal J Agr Res 11(2):341-344

May 1968 23 N4892

Brevicoryne brassicae, Insect identification, Insect infestation, Plant injuries, Plant pest resistance, Rape.

2221-69

APHIDS AND LEAFHOPPERS FOUND ON RED CLOVER IN EASTERN WASHINGTON.

B J Landis G T Hagel

J Econ Entomol 62(1):273

17 Feb 1969 421 J822

Aphididae, Cicadellidae, Insect pests, Red clover, Zoogeography. 12 species of pests of red clover are listed.

2222-69

INTERACTION OF A FUNGUS GNAT, BRADYSIA SP. (SCIARIDAE) WITH FUSARIUM SPP. ON ALFALFA AND RED CLOVER.

K T Leath R C Newton

Phytopathology 59(2):257-258

Feb 1969 464.8 P56

Alfalfa, Bradysia, Fungus diseases (plants), Fusarium, Greenhouse culture, Insect pests, Insect vectors, Plant disease transmission, Red clover, Sciaridae.

2223-69

HYMENOPTERA AND NEMATODES AS PARASITES OF TACHYPORUS SPECIES (COL.; STAPHYLINIDAE) WITH SPECIAL CONSIDERATION OF CENTISTES LUCIDATOR (NEES) (HYM.; BRACONIDAE). (GE)

E Lipkow

Pedabiologia 8(4):409-415

1968 56.8 P343

Braconidae, Development, Host relationships, Insect morphology, Parasitic insects, Parasitic nematodes, Parasitism, Staphylinidae.

2224-69

PREFERENCE OF GREEN PEACH APHIDS FOR VIRUS-INFECTED SUGARBEET LEAVES.

W Macias G I Mink

J Econ Entomol 62(1):28-29

17 Feb 1969 421 J822

Attractants, Feeding, Insect behavior, Leaves, Mosaic, Myzus persicae, Sugar beets, Virus diseases (plants), Yellows.

2225-69

THE FEEDING BEHAVIOR AND BIOLOGY OF PARAPRONEMATUS ACACIAE (ACARINA: TYDEIDAE).

C W McCoy A G Selhime R F Kanavel

Fla Entomol 52(1):13-19 REF

Mar 1969 420 F662

Biological control (insects), Citrus, Food habits, Fungi, Insect biology, Phyllocoptruta oleivora, Predaceous insects.

2226-69

DISTRIBUTION OF HIBERNATING LARVAE OF THE WESTERN BUDWORM, CHORISTONEURA OCCIDENTALIS, ON DOUGLAS-FIR IN COLORADO.

M E McKnight

J Econ Entomol 62(1):139-142

17 Feb 1969 421 J822

Choristoneura occidentalis, Hibernation, Insect behavior, Insect pests, Larvae, Pseudotsuga menziesii, Zoogeography.

2227-69

END OF SQUARING AS AN ECONOMIC INDICATOR OF APPROXIMATE TIME TO END INSECTICIDAL TREATMENTS FOR BOLL WEEVIL CONTROL.

W J Mistric B M Covington

J Econ Entamol 62(1):35-36

17 Feb 1969 421 J822

Anthonomus grandis, Chemical control (insects), Cotton, Economics, Insect pests, Insecticide application, Insecticides, Population, Time.

2228-69

DAMAGE BY THE STRAWBERRY SPIDER MITE TO COTTON WHEN INFESTATIONS COMMENCED AT THE BEGINNING, MIDDLE, AND END OF THE FLOWERING PERIOD.

W J Mistric

J Econ Entomol 62(1):192-195

17 Feb 1969 421 J822

Cotton, Insect behavior, Insect outbreaks, Insect pests, Mites, Temperature, Tetranychus atlanticus, Time.

2229-69

INSECTICIDAL CONTROL OF THE SUGARCANE BORER IN CORN.

A A Negm S D Hensley E J Concienne

J Econ Entomol 62(1):245-246

17 Feb 1969 421 J822

Chemical control (insects), Corn, Diatraea saccharalis, Insect pests, Insecticides.

2230-69

FUMIGATION OF FOOD GRAINS IN INDIA WITH HYDROGEN PHOSPHIDE. I. TESTS IN CONCRETE BINS.

L Rai J N Sarid S V Pingale

Bull Grain Technol 1(1/4,MAR-DEC):3-15 REF

1963 TS2120.B8

Dosage, Feed grains, Food storage, Fumigation, Insect pests, Oryzaephilus surinamensis, Phosphine, Rhyzopertha dominica, Sitophilus oryzae, Toxicity, Tribolium castaneum, Wheat.

2231-69

INUNDATIVE RELEASES OF CHRYSOPA CARNEA FOR CONTROL OF HELIOTHIS ON COTTON.

R L Ridgway S L Jones

J Econ Entamol 62(1):177-180 REF

17 Feb 1969 421 J822

Biological control (insects), Chrysopa carnea, Cotton, Heliothis virescens, Heliothis zea, Insect cages, Insect eggs, Insect pests.

2232-69

A TECHNIQUE FOR EVALUATING VARIETAL RESISTANCE OF CASTOR TO CASTOR JASSID (EMPOASCA FLAVESCENS FABRICIUS).

M L Saini K S Chhabra

Prog Farming 5(1):72-74

Mar 1968 S19.P8

Castorbeans, Crop varieties, Empoasca flavescens, Insect pests, Leaves, Plant pest resistance, Population.

2233-69

BIOCHEMICAL ANALYSIS OF APHID SALIVA AND ITS IMPORTANCE IN GALL DEVELOPMENT. (GE)

G Schaler

Zool Jahrbucher Abt Allg Zool Physiol Tiere 74(1):54-87 REF

1968 410 Z751Z

Aphididae, Biochemistry, Development, Host relationships, Plant galls, Saliva, Salivary glands (insects).

2234-69

AERIAL APPLICATIONS OF PIB-7 AND MALATHION TO SUPPRESS POPULATIONS OF ANASTREPHA SUSPENSA.

A G Selhime R A Sutton

Fla Entomol 52(1):41-43

Mar 1969 420 F662

Aerial insect control, Anastrepha suspensa, Chemical control (insects), Insecticide application, Malathion, Protein hydrolysates.

2235-69

APHID POPULATIONS IN RELATION TO TRISTEZA IN FLORIDA CITRUS.

W A Simanton L C Knorr

Fla Entomol 52(1):21-27

Mar 1969 420 F662

Aphididae, Citrus, Insect vectors, Plant disease transmission, Population, Surveys, Tristeza, Virus diseases (plants).

2236-69

WHOLE TOWN TREATMENT FOR FRUIT FLY CONTROL.

A H Skepper R Sweedman

Agr Gaz New S Wales 79(12):705-709

Dec 1968 23 N472

Attractants, Chemical control (insects), Fly traps, Hygiene, Insect control, Protein hydrolysates, Tephritidae.

The methods of controlling fruit flies in towns in New South Wales are discussed. Eight to ten sprays a year with maldeson and protein hydrolysates together with general fruit tree hygiene by the towns people and Dept. of Agriculture completely rid towns of fruit flies for a year.

2237-69

METHOD OF CONTROLLING AND ERADICATING MITES. PATENT 3,427,385.

Y Uebayashi R Sakimoto K Ishii M Asada T Taniguchi

Us Patent Office Offic Gaz 859(2):607

11 Feb 1969 156.65 OF2

Chemical control (insects), Insecticide application, Mites, Patents, Plants.

2238-69
THE EFFECT OF SOME PESTICIDES ON THE SOIL INVERTEBRATE FAUNA IN THE SOUTH TAIGA ZONE IN THE PERM REGION (USSR).
L D Voronova
Pedabialogia 8(4):507-525 REF
1968 56.8 P343
Carbaryl, Chemical control (insects), Malathion, Organophosphorus compounds, Soil fauna.

NEMATODES

2239-69
SYSTEMIC PESTICIDES FOR CONTROL OF STING AND STUBBY-ROOT NEMATODES ON VEGETABLES.
B B Brodic
Plant Dis Rep 52(1):19-23 REF
Jan 1968 1.9 P69P
Belonolaimus longicaudatus, Carbamates, Chemical control (nematodes), Crop yields, Organophosphates, Pesticides, Plant nematodes, Trichodorus christiei, Vegetables, Xiphinema americanum.

2240-69
THE INFLUENCE OF A SMALL APPLICATION OF MANURE NEAR THE SEEDS ON THE PLANT'S RESISTANCE TO INFECTION BY NEMATODES. (FR
J Denaric
Paris Acad Agr France Compt Rend Hebd Seances 54(9):651-658
19 Jun 1968 14 P215BC
Ammonium sulfate, Chemical control (nematodes), Fertilizers, Kidney beans, Meloidogyne, Peas, Plant nematode resistance, Potassium sulfate.

2241-69
AN ECOLOGICAL STUDY OF SOME SOIL NEMATODES ASSOCIATED WITH APPLE TREES IN A NEW ZEALAND GRASSED ORCHARD.
O A Egunjobi
New Zeal J Agr Res 11(2):386-406 REF
May 1968 23 N4892
Apples, Ecology, Nematodes, Seasonal variation, Soil moisture, Soil sampling (nematodes).

2242-69
DETERMINATION OF THE WATER CONTENT OF NEMATODE WORMS BY INTERFERENCE MICROSCOPY.
C Ellenby
Experientia 24(1):84-85 REF
15 Jan 1968 475 EX7
Animal physiology, Heterodera rostochiensis, Microscopy, Nematodes, Water.

2243-69
SURVIVAL OF SOYBEAN CYST NEMATODES IN SEED BAGS.
J M Epps
Plant Dis Rep 52(1):45
Jan 1968 1.9 P69P
Bags, Heterodera glycines, Larvae, Plant nematodes, Planting, Seeds, Soybeans, Storage.

2244-69
POPULATION DYNAMICS AND PATHOGENICITY OF THREE SPECIES OF PRATYLENCHUS ON PEACH.
P Fliegel
Phytopathology 59(2):120-124 REF
Feb 1969 464.8 P56
Climate, Demography, Nematode populations, Peaches, Plant injuries, Plant nematodes, Pratylenchus brachyurus, Pratylenchus vulnus, Pratylenchus zeae.

2245-69
SAPROZOIC NEMATODES TRANSMIT STREPTOMYCES PHAGE.
H J Jensen C M Gilmour
Plant Dis Rep 52(1):3-4
Jan 1968 1.9 P69P
Bacteriophages, Chlorine, Feed, Nematode vectors, Plant nematodes, Soil sterilization, Streptomyces griseus.

2246-69
CITRUS-ROOT NEMATODE IN IRAN.
Z A Katcho J M Allow
Plant Dis Rep 53(1):84
Jan 1969 1.9 P69P
Citrus, Deficiency diseases, Plant injuries, Plant nematodes, Plant nutrition, Roots, Symptomatology, Tylenchulus semipenetrans.

2247-69
SPECIES DOMINANCE IN CO-INCIDENT INFECTIONS BY MELOIDOGYNE HAPLA AND M. JAVANICA ON TOMATO.
R A Kinloch
Diss Abstr Sect B 29(7):2256B
Jan 1969 Z5055.U49D53
Animal ecology, Animal physiology, Meloidogyne hapla, Meloidogyne javanica, Plant galls, Plant nematodes, Roots, Sex ratios, Temperature, Tomatoes.

2248-69
MUTUAL ANTAGONISM BETWEEN HETERODERA TABACUM AND SOME OTHER PARASITIC NEMATODES.
P M Miller S E Wihrheim
Plant Dis Rep 52(1):57-58
Jan 1968 1.9 P69P
Heterodera tabacum, Parasitism, Plant nematodes, Pratylenchus penetrans, Tobacco, Tylenchorhynchus claytoni.

2249-69
POTATO TUBER EELWORM.
Great Brit Min Agr Fish Food Adv Leafl 372:1-3
1968 10 G79LA
Biology, Crops, Ditylenchus destructor, Plant diseases, Plant injuries, Plant nematodes, Plant pest control, Storage, Weeds.

2250-69
SOME OBSERVATIONS ON THE BIOLOGICAL CYCLE OF TYLENCHULUS SEMIPENETRANS COBB, 1913 (NEMATODA, TYLENCHULIDAE). (IT)
A M Palmisano
Redia (SER 2)50:35-46 REF
1967 421 R241
Biology, Citrus, Nematode morphology, Nematode population, Plant hosts, Plant nematodes, Temperature, Tylenchulus semipenetrans. English summary.

2251-69
HOST SUITABILITY OF A NUMBER OF PLANTS FOR THE NEMATODE TYLENCHORYNCHUS DUBIUS.
R D Sharma
Neth J Plant Pathol 74(4):97-100
1968 464.8 T44
Crop varieties, Cruciferae, Leguminosae, Plant hosts, Plant nematode resistance, Plant nematodes, Tylenchorynchus dubius. Dutch summary.

2252-69
THE EFFECTS OF HOST NUTRITION AND SOIL FUMIGATION ON THE PENETRATION AND PATHOGENICITY OF MELOIDOGYNE JAVANICA (TREUB, 1885) CHITWOOD, 1949 ON TOMATO.
J T Vazquez
Diss Abstr Sect B 29(3):1054B-1055B
Sep 1968 Z5055.U49D53
Chemical control (nematodes), Ethylene dibromide, Fungicides, Meloidogyne javanica, Nitrogen, Plant diseases, Plant injuries, Plant nematodes, Plant nutrition, Plant physiology, Soil fumigation, Soil treatment, Tomatoes.

2253-69
NEBRASKA ROOT-GALL NEMATODE OF SUGAR BEETS.
J L Weihing E Kerr
Nebr Univ Ext Ec (1847):11P
1968 275.29 N272EX
Chemical control (nematodes), Chemical control (weeds), Crop rotation, Heterodera schachtii, Meloidogyne, Nacobbus batatiformis, Plant galls, Plant nematodes, Plant physiology, Soil fumigation, Soil microorganisms, Sugar beets, Temperature. There is a table of many plant species with their reaction to the nebraska root-gall nematodes.

WEEDS

2254-69
APION SEED WEEVIL INTRODUCED FOR BIOLOGICAL CONTROL OF SCOTCH BROOM.
L A Andres R B Hawkes A Rizza
Calif Agr 21(8):13
Aug 1967 100 C12CAG
Biological control (weeds), Cytisus scoparius, Ranges, Seeds, Timber, Weed control.

2255-69
BIOCHEMICAL ASPECTS OF TRIAZINE BASED HERBICIDES. (FR)
E Ebert P W Muller
Experientia 24(1):1-8 REF
15 Jan 1968 475 EX7
Biochemistry, Herbicides, Hill reaction, Plant enzymes, Plant metabolism, Toxicology, Triazine herbicides. English abstract

2256-69
PROGRESS REPORT ON JOHNSONGRASS CONTROL IN ORCHARDS.
C L Elmore A H Lange L L Buschmann R B Jeter J J Smith
Calif Agr 21(5):6-7
May 1967 100 C12CAG
Chemical control (weeds), Dalapon, Herbicides, Orchards, Reports, Sorghum halepense, Weed control.

2257-69
ARCEUTHOBIUM PUSILLUM ON EASTERN LARCH IN WISCONSIN.
J T Kliejunas
Plant Dis Rep 53(1):76
Jan 1969 1.9 P69P
Arceuthobium pusillum, Environment, Larix laricina, Parasitism, Picea mariana, Weeds.

2258-69
COMPARISON OF HERBICIDES AND TIMES OF SPRAYING FOR THE CONTROL OF BLACKBERRY (RUBUS FRUTICOSUS).
W T Parsons R L Amor
Australian J Exp Agr Anim Husb 8(31):238-243
Apr 1968 23 AU792
Blackberries, Chemical control (weeds), Herbicides, Spraying, T, 2,4,5-, Weed control.

2259-69
DOMESTIC QUARANTINE NOTICES. WITCHWEED. REGULATED AREAS.
D R Shepherd
Fed Regist 34(28,PT 1):1937-1945
11 Feb 1969 L1.451
Agricultural regulation, Geography, Plant quarantine, Striga, Weed control.

2260-69
CONTROL OF WEEDS IN WHEAT CROP BY 2,4-D.
D D Srivastava
Plant Protect Bull 19(3):42-43
1967 421 P69
Amines, Chemical control (weeds), Crop yields, D, 2,4-, Economics, Grain, Herbicides, Salts, Sodium, Spraying, Wheat.

2261-69
INTERRELATIONSHIPS BETWEEN ROOT-NODULE BACTERIA, PLANT-PARASITIC NEMATODES AND THEIR LEGUMINOUS HOST.
A H Y Taha
Diss Abstr Sect B 29(7):2258B-2259B
Jan 1969 Z5055.U49D53

Heterodera trifolii, Leguminosae, Meloidogyne javanica, Nitrogen,fixing bacteria, Nodules (plants), Plant nematodes, Plant physiology, Rhizobium trifolii, Roots.

2262-69
SELECTIVE HERBICIDES CONTROL WEEDS IN LUCERNE AT COWRA.
N S Tickner
Agr Gaz New S Wales 79(12):718-720
Dec 1968 23 N472
Alfalfa, Capsella bursa-pastoris, Chemical control (weeds), DPA, Herbicides, Hordeum, Paraquat, Weed control.

The chemical control of weeds, barley grass and shepherds purse in lucerne fields with paraquat and 2,2-Dpa is discussed.

OTHER PESTS

2263-69
SOFAR UNNOTICED DAMAGE TO FRUIT TREES, BROUGHT ABOUT BY FIELD MICE. (GE)
K Hofmann
Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):12-13
Jan 1967 442.9 B832
Field mice, Fruit, Plant injuries, Rodents, Tree injuries, Trees.

LIVESTOCK PROTECTION

2264-69
STABILIZATION OF ANIMAL AND POULTRY FEEDS CONTAINING A TETRACYCLINE ANTIBIOTIC. PATENT 3,427,166.
A Abbey R B Fortenbaugh I Klothen
Us Patent Office Offic Gaz 859(2):567
11 Feb 1969 156.65 OF2
Aluminum, Animals, Antibiotics, Feeds, Ions, Patents, Poultry, Tetracycline.

2265-69
COMPOSITION CONTAINING PENICILLIN AND DYE INDICATOR FOR TREATING UDDERS. PATENT 3,427,377.
F Bauer P Klatt K Sellhorn
Us Patent Office Offic Gaz 859(2):606
11 Feb 1969 156.65 OF2
Chemical indicators, Dyes, Milk analysis, Patents, Penicillin, Therapeutics, Udders.

2266-69
THE TRAINED FALCON IN HEALTH AND DISEASE.
J E Cooper
J Small Anim Pract 9(11):559-566
Nov 1968 41.8 J8292
Animal diseases, Falcons, Feeding, Veterinary medicine. French and German summaries.

2267-69
NATURE OF THE WATER-SOLUBLE METABOLITES OF CARBARYL IN BEAN PLANTS AND THEIR FATE IN RATS.
H W Dorough O G Wiggins
J Econ Entomol 62(1):49-53
17 Feb 1969 421 J822
Beans, Biochemistry, Carbaryl, Laboratory animals, Metabolites, Plant extracts, Rats, Residues, Tissues.

2268-69
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. ZOALENE, 3-NITRO-4-HYDROXYPHENYLARSONIC ACID.
J K Kirk
Fed Regist 34(25):1771
06 Feb 1969 L1.451
Chickens, Drugs, Feed, Food additives. Nitro-4-hydroxyphenylarsonic acid, 3-, Water.

2269-69
EFFECTS OF ESTROGENS ON AORTIC CONNECTIVE TISSUE OF TURKEYS.
J M Kling
Diss Abstr Sect B 29(3):1114B
Sep 1968 Z5055.U49D53
Aorta, Biochemistry, Cell wall, Diethylstilbestrol, Estrogens, Histochemistry, Hormones, Turkeys.

2270-69
NOTICE OF OPPORTUNITY FOR HEARING REGARDING MEDICATED ANIMAL FEEDS.
H L Ley
Fed Regist 34(62):6004
02 Apr 1969 L1.451
Animal nutrition, Chlortetracycline, Diethylstilbestrol, Drug therapy, Drugs, Food additives.

2271-69
P.L.A. (PITUITARY LUTEINIZING HORMONE). DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1611-1612
01 Feb 1969 L1.451
Drugs, Hormones, Iesh, Livestock, Pituitary gland, Veterinary medicine.

2272-69
VETISTAT. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1613
01 Feb 1969 L1.451
Blood coagulation, Hemorrhage, Malonic acid, Oxalic acid, Veterinary medicine.

DISEASES

2273-69
EFFECT OF ARGININE OR SERINE ON THE NEED FOR GLYCINE BY THE CHICK FED AMINO ACID OR CASEIN DIETS.
S S Akrabawi
Diss Abstr Sect B 29(7):2506B
Jan 1969 Z5055.U49D53
Amino acids, Animal nutrition, Animal physiology, Arginine, Casein, Chicks, Glycine, Proteins, Serine, Serine hydroxymethyltransferase.

2274-69
MECHANISM OF THE RING FORMING IN THE ABR TEST. (POL)
F Anczykowski
Pol Arch Weter 10(4):661-669 REF
1967 41.8 P76
Agglutination, Brucella, Dairy cattle, Livestock diseases, Milk, Ring test. English and Russian summaries.

2275-69
MECHANISM OF THE SEDIMENT FORMING IN THE AGGLUTINATION TEST PERFORMED WITH BRUCELLA ABORTUS SUSPENSION. (POL)
F Anczykowski
Pol Arch Weter 10(4):655-660 REF
1967 41.8 P76
Agglutination test, Brucella abortus, Dairy cattle, Livestock diseases, Sedimentation. English and Russian summaries.

2276-69
THE GROSS AND MICROSCOPIC CHANGES IN SUBLETHAL STAPHYLOCOCCAL ALPHA-TOXIN PANCREATITIS IN DOGS.
N V M Anderson
Diss Abstr Sect B 29(7):2507B
Jan 1969 Z5055.U49D53
Animal diseases, Dogs, Eosinophils, Lesions, Microscopy, Pancreas, Staphylococcus, Tissue culture, Toxins.

2277-69
MOLDY FEEDS POSE HAZARD.
Anonymous
Michigan Farmer 251(2):16
18 Jan 1969 6 M58
Aflatoxin, Aspergillus fumigatus, Baby pigs, Feed, Livestock diseases, Molds, Sheep.

2278-69
EQUINE PROTOZOAN DIARRHEA (EQUINE INTESTINAL TRICHOMONIASIS) AT TRINIDAD RACETRACKS.
S P Bennett D A Franco
Amer Vet Med Ass J 154(1):58-60
01 Jan 1968 41.8 AM3
Animal diseases, Diarrhea, Disease control, Drug therapy, Epidemiology, Horses, Intestines, Protozoa, Symptomatology, Trichomonas faecalis.

2279-69
STABILITY OF ESCHERICHIA COLI ENDOTOXIN IN THE RAT GASTROINTESTINAL TRACT.
I Berczi
J Pathol Bacteriol 96(2):487-491
Oct 1968 448.8 J82
Animal diseases, Bacteria, Endotoxins, Escherichia coli, Gastrointestinal system, Mouth, Rats, Serological tests.

2280-69
FAILURE OF ORAL ESCHERICHIA COLI ENDOTOXIN TO INDUCE EITHER SPECIFIC TOLERANCE OR TOXIC SYMPTOMS IN RATS.
I Berczi L Bertok K Baintner B Veress
J Pathol Bacteriol 96(2):481-486 REF
Oct 1968 448.8 J82
Animal diseases, Endotoxins, Escherichia coli, Intestines, Irradiation, Lead acetate, Mouth, Rats, X-rays.

2281-69
LEUCOSIS IN SWINE AS A FINDING FROM CARCASS INSPECTION. (GE
D Beutling
Monatsh Vet 23(3):92-94 REF
01 Feb 1968 41.8 M742
Bacteria, Carcasses, Leukemia, Livestock diseases, Meat inspection, Swine. English and Russian summaries.

2282-69
APPLICATION OF THE KINETIC SERONEUTRALIZATION TEST TO THE RESEARCH OF RINDERPEST NEUTRALIZING ANTIBODIES IN CATTLE SHEEP AND GOAT. (FR)
P Bourdin G Bernard
Rev Elevage Med Vet Pays Trop 20(4):531-536 REF
1967 41.8 R3262
Antibodies, Cattle, Goats, Rinderpest virus, Serological tests, Sheep. English and Spanish summaries.

2283-69
EFFECTS OF WHOLE-BODY IRRADIATION ON BABY PIGS (SUS SCROFA).
M T Case
Diss Abstr Sect B 29(7):2251B
Jan 1969 Z5055.U49D53
Animal histology, Baby pigs, Bone marrow, Cobalt isotopes, Dosage, Gamma rays, Lymphocytes, Lymphopenia, Symptomatology, Tissue culture, X-rays.

2284-69
MYCOBACTERIUM BURULI LESIONS IN THE FRUIT BAT WEB.
J C T Church E R Griffin
J Pathol Bacteriol 96(2):508-512 REF
Oct 1968 448.8 J82
Animal diseases, Bacteria, Fruit bats, Mycobacterium.

2285-69
OBSERVATIONS ON THE USE OF ANTRYCIDE PROSALT AND THE RESISTANCE OF CATTLE TO TRYPANOSOMIASIS. (FR)
R Cools
Rev Elevage Med Vet Pays Trap 20(4):579-587 MAP REF
1967 41.8 R3262
Blood tests, Cattle, Coumaphos, Drug therapy, Glossina palpalis, Immunization, Livestock diseases, Quinapyramine, Trypanosomiasis. English and Spanish summaries.

2286-69
CONTAGIOUS BOVINE PLEUROPNEUMONIA, ITS TREATMENT AND CONTROL.
C Das
Indian Farming 18(2):40-41
May 1968 22 IN283
Cattle, Immunization, Infectious diseases, Livestock diseases, Mycoplasma mycoides, Pleuropneumonia, Vaccines.

2287-69
ECZEMA AND LIVER DISEASE IN DOGS (HEPATODERMAL SYNDROME). (GE
H J Ehrlein K Loeffler G Trautwein
Kleintier-Praxis 13(5):123-128 REF
Jul 1968 41.8 K67
Dogs, Eczema, Hyperkeratosis, Liver diseases, Symptomatology.

2288-69
TWO CASES OF EPITHELIAL MALIGNANCY IN SALIENTIA.
E Elkan
J Pathal Bacterial 96(2):496-499
Oct 1968 448.8 J82
Adenocarcinoma, Amphibians, Animal diseases, Epithelial tumors, Frogs.

2289-69
MATERIALS ON THE EPIDEMIOLOGY OF TICK-BORNE ENCEPHALITIS IN THE ZONE OF CONSTRUCTION OF SAYANO-SHUSHENSKAYA HYDROPOWER STATION. (RUS)
E I Fastovskaya I N Kulvinova M S Shlyaposhnikov
Med Parazital Parazitarn Bolezni 37(3,MAY-JUN):263-270
1968 448.8 M469
Encephalitis, Epidemiology, Insect control, Insect vectors, Ixodes persulcatus, Ixodides, Serological tests, Serum, Virus diseases (animals). English summary.

2290-69
ENTEROTOXAEMIA: DEADLY DISEASE OF SHEEP.
M S Fayaraman
Indian Farming 18(2):37-38
May 1968 22 IN283
Clostridium perfringens, Diagnosis, Enterotoxemia, Immunization, Infectious diseases, Livestock diseases, Sheep.

2291-69
INFRARED SPECTOGRAPHY OF MYXOVIRUSES. (FR)
R Fontanges G Chatot B Chabert A Bonnet M Bornancin
Inst Pasteur Aun 115(1):129-137 REF
Jul 1968 448.3 AN75
Infrared spectra, Myxoviruses, Purification, Spectroscopy. English summary.

2292-69
BIOCHEMISTRY OF FRIEND VIRUS-INFECTED CELLS. I. VIRIONSPECIFIC RNA.
C K Franker P A Riebeck
Biachem Biophys Res Commun 33(1):80-87
Oct 1968 442.8 B5236
Chromosomes, Extracts, Leukemia, Mice, Molecules, Purification, Radioactivity, Ribonucleic acid, Sedimentation, Spleen, Sucrose, Virucides, Virus diseases (animals).

2293-69
HISTORY AND EPIDEMIOLOGY OF RABIES IN WILDLIFE IN NEW YORK.
M Friend
N Y Fish Game J 15(1):71-97 MAP REF
Jan 1968 410 N48
Epidemiology, History, Livestock diseases, Rabies, Wildlife diseases.

2294-69
RESEARCHES CONCERNING THE TOXOPLASMOSIS IDENTIFICATION AND THE TOXOPLASMIC ABORTION IN THE OVIC CATTLE OF BANAT. (RUM)
N Gluhovschi M Elias M Puca-Ciudin P Costin M Nafornita
Bucharest Inst Agran Timesoara Lucari Stiint 6:311-318
1963 106.4 T48
Abortion, Color, Lesions, Livestock diseases, Sheep, Toxoplasmosis, Zoonoses. English and Russian summary

2295-69
LEPTOSPIRIC ABORTION PATHOGENIA IN SOWS. (RUM)
N Gluhovschi V Topciu S Levin M Stan M Nafornita T Nistor
Bucharest Inst Agran Timesoara Lucari Stiint 6:319-327 REF
1963 106.4 T48
Abortion, Animal breeding, Leptospirosis, Livestock diseases, Swine. English and Russian summary.

2296-69
METABOLIC STUDIES WITH O,O-DIETHYL O-(3,5,6-TRICHLORO-2-PYRIDYL) PHOSPHOROTHIOATE (DURSBAN) INSECTICIDE IN A LACTATING COW.
W H Gutenmann L E Jr. St. John D J Lisk
J Agr Faad Chem 16(1,JAN-FEB):45-47 REF
1968 381 J8223
Animal physiology, Dairy cattle, Diethyl 03,5,6-trichloro-2-pyridyl phosphorothioate, 0,0-, Feces, Insecticides, Metabolism, Metabolites, Milk, Research, Urine.

2297-69
MYCOTOXICOSES.
J Harrison
Great Brit NAAS (nat Agr Adv Serv) Quart Rev (78,WINTER):78-85
1967 241 G796
Fungi, Grain, Human diseases, Livestock diseases, Mycotoxicosis, Penicillium, Poisoning.

Toxic substances formed by many fungi found in grain stored for human and livestock consumption, are identified and fungi suspected of forming such toxins are listed.

2298-69
ATTENUATED INFECTIOUS CANINE HEPATITIS LIVE VIRUS VACCINE AND METHOD OF PRODUCING SAME. PATENT 3,432,391.
M B Hays
Us Patent Office Offic Gaz 860(2):545
11 Mar 1969 156.65 OF2
Animal diseases, Antibodies, Canine hepatitis vaccines, Hepatitis, Kidneys, Methodology, Patents, Tissue culture, Viral vaccines.

2299-69
FATTY TISSUE BIOPSY IN PIGS. (GE)
K Illing
Monatsh Vet 23(3):97-100
01 Feb 1968 41.8 M742
Adipose tissue (animals), Biopsy, Carcasses, Color, Economics, Meat, Smell, Swine. English and Russian summaries.

2300-69
CYTOCHEMICAL STUDIES ON THE LESION OF EQUINE INFECTIOUS ANEMIA. VII. ESPECIALLY ON THE ENZYME HISTOCHEMISTRY OF RES (RETICULO-ENDOTHELIAL SYSTEM) IN THE LIVER AND SPLEEN.
O Itikawa H Tamate T Hoshino S Yoneya S Yamamoto K Ishida K Goto T Kikuchi S Kusuhara H Sakuma
Tohoku J Agr Res 18(3):185-197 REF
Oct 1967 22.5 T574
Biochemistry, Blood vessels, Enzymes, Equine infectious anemia, Erythrocytes, Histochemistry, Horses, Liver, Reticuloendotheliosis, Spleen, Virus diseases (animals).

2301-69
EXPERIMENTAL PASTEURELLA MULTOCIDA INFECTION IN CHICKENS EXPOSED TO COLD: BIOCHEMICAL AND BACTERIOLOGICAL INVESTIGATIONS. (POL)
T Juszkiewicz
Pol Arch Weter 10(4):615-625 REF
1967 41.8 P76
Bacteriology, Biochemistry, Chickens, Cold, Livestock diseases, Pasteurella multocida, Research. English and Russian summaries.

2302-69
STUDY ON THE INCIDENCE AND ETIOLOGY OF MASTITIS IN SOWS.
D S Kalra
Prag Farming 5(1):95-98 REF
Mar 1968 S19.P8
Epidemiology, Etiology, India, Livestock diseases, Mastitis, Milk analysis, Staphylococcus aureus, Streptococcus agalactiae, Swine, Udders.

2303-69
SALMONELLA SPECIES. FIRST ISOLATIONS, NAMES AND OCCURRENCE. QR82.S27K4. (GE)
E Kelterborn
535P THE HAGUE, NETHERLANDS, DR. W. JUNK N.V.
1967
Livestock diseases, Nomenclature, Salmonella, Tables (data), Zoogeography. English title and table of contents included. Text is in German only.

2304-69
PARTEROL, DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(26):1840
07 Feb 1969 L1.451
Dihydrotachysterol, Drugs, Livestock diseases, Milk fever, Veterinary medicine.

2305-69
PROGESTERONE-ESTRADIOL BENZOATE (HORMONAL IMPLANT). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(36):2517
21 Feb 1969 L1.451
Benzoic acid, Dosage, Drug therapy, Estradiol, Hormones, Implantation, Legislation, Livestock diseases, Progesterone, Veterinary medicine.

2306-69
TESTOSTERONE PROPRIONATE-ESTRADIOL BENZOATE (HORMONAL IMPLANT). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(36):2517
21 Feb 1969 L1.451
Benzoic acid, Cattle, Dosage, Drug therapy, Estradiol, Hormones, Implantation, Legislation, Livestock diseases, Testosterone, Veterinary medicine.

2307-69
THE PATHOGENESIS OF OVINE CONTAGIOUS ECTHYMA.
J P Kluge
Diss Abstr Sect B 29(7):2509B
Jan 1969 Z5055.U49D53
Ecthyma, Electron microscopy, Fluorescence, Hamsters, Histochemistry, Infectious diseases, Lesions, Monkeys, Sheep, Virus diseases (animals).

2308-69
STUDIES ON THE TUMOURS OF THE DOMESTIC ANIMALS. I. LYMPHATIC LEUCAEMIA OF THE SWINE. (JA)
K Kobayashi
Tokyo Soc Vet Zootech Sci J (16):1-5 REF
Mar 1967 41.9 T574
Leukemia, Livestock diseases, Lymphatic system, Neoplasms, Research, Swine.

2309-69
STUDIES ON THE TUMOURS OF THE DOMESTIC ANIMALS. II. TUMOURS OF THE SWINE. (JA)
K Kobayashi
Tokyo Soc Vet Zootech Sci J (16):7-13
Mar 1967 41.9 T574
Livestock diseases, Neoplasms, Research, Swine.

2310-69
METABOLISM OF BLOOD PROTEINS IN HENS DURING NATURAL AND ARTIFICIAL MOULTING. (POL)
H Kraczkowski
Pol Arch Weter 10(4):571-600 REF
1967 41.8 P76
Animal physiology, Blood, Cascin, Chickens, Eggs, Iodine, Keratins, Metabolism, Proteins. English and Russian summaries.

2311-69
INTERRELATIONSHIP OF ANTIBIOTICS AND COCCIDIOSTATS ON THE GROWTH OF WHITE PLYMOUTH ROCK CHICKS.
H Lal O P Verma
Prog Farming 5(1):103-109
Mar 1968 S19.P8
Animal nutrition, Animal physiology, Antibiotics, Bifuran, Biochemistry, Chicks, Chlortetracycline, Coccidiostats, Feed.

2312-69
EMBRYOLOGIC DEVELOPMENT OF AN ANOMALY OF OCULAR FUNDUS IN THE COLLIE DOG.
W K Latshaw M Wyman W G Venzke
Amer J Vet Res 30(2):211-217 REF
Feb 1969 41.8 AM3A
Abnormalities, Dogs, Embryos, Eyes, Fetus, Hereditary diseases, Lesions.

2313-69
F.S.H.-P. (FOLLICLE STIMULATING HORMONE-PITUITARY). DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.
H L Ley
Fed Regist 34(17):1273
25 Jan 1969 L1.451
Dosage, Drugs, Follicle-stimulating hormone, Hormones, Livestock, Pituitary gland, Veterinary medicine.

2314-69
DR. MAYFIELD ML-23. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1610-1611
01 Feb 1969 L1.451
Drugs, Livestock diseases, Veterinary medicine.

2315-69
TYMPANOL. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(24):1739
05 Feb 1969 L1.451
Bloat, Drugs, Polymerization, Ruminants, Silicones, Veterinary medicine.

2316-69
ESTABLISHMENT AND TREATMENT OF CUTANEOUS CANDIDA ALBICANS INFECTION IN THE RABBIT.
G Maestrone R Semar
Naturwissenschaften 55(2):87-88 REF
Feb 1968 474 N213
Candida albicans, Drug therapy, Fungicides, Fungus diseases (animals), Rabbits, Skin.

2317-69
LOSS OF SERUM PROTEINS VIA THE INTESTINAL TRACT IN CALVES WITH INFECTIOUS DIARRHEA.
C L Marsh C A Mebus N R Underdahl
Amer J Vet Res 30(2):163-166 REF
Feb 1969 41.8 AM3A
Cattle, Diarrhea, Electrophoresis, Gastrointestinal system, Immunology, Livestock diseases, Milk, Proteins, Serum, Urine.

2318-69
PRESENCE OF ANTIBODIES AGAINST RINDERPEST IN DROMEDARY IN CHAD. (FR)
Y Maurice A Provost C Borredon
Rev Elevage Med Vet Pays Trop 20(4):537-542 REF
1967 41.8 R3262
Antibodies, Camels, Measles virus, Rinderpest virus, Serological tests. Spanish and English summaries.

2319-69
SEROLOGICAL SURVEY ON THE RICKETTSIOSES IN DROMEDARY IN CHAD. (FR)
Y Maurice J F Barcs M Baille
Rev Elevage Med Vet Pays Trop 20(4):543-550 MAP REF
1967 41.8 R3262
Agglutination test, Antibodies, Antigens, Camels, Coxiella burnetii, Rickettsial diseases, Serological tests, Surveys. English and Spanish summary.

2320-69
LYMPHOCYTIC THYROIDITIS IN THE DOG.
L E Mawdesley-Thomas
J Small Anim Pract 9(11):539-550 REF
Nov 1968 41.8 J8292
Animal diseases, Diagnosis, Dogs, Genetics, Lymphatic system, Lymphocytic thyroiditis, Thyroid gland. French and German summaries.

2321-69
IMMUNITY IN EWES RESULTING FROM NATURAL EXPOSURE TO VIBRIO FETUS.
W A Meinershagen F W Frank C V Hulet D A Price
Amer J Vet Res 30(2):203-206
Feb 1969 41.8 AM3A
Abortion, Epizootic diseases, Immunity, Livestock diseases, Pregnancy, Sheep, Vibrio fetus, Vibriosis.

2322-69
AN EXPERIMENTAL STUDY OF THE ALLERGEN-SPECIFIC-ENZYMATIC FACTOR . II. ISOLATION TRIALS OF THE ALLERGEN-SPECIFIC ENZYMATIC FACTOR FROM THE URINE OF RABBITS. (POL)
T Micrzejewski
Pol Arch Weter 10(4):627-653 REF
1967 41.8 P76
Allergens, Animal physiology, Brucella, Enzymes, Rabbits, Research, Urine. English and Russian summaries.

2323-69
THE EFFECTS OF MOLDY ALFALFA HAY FEEDING ON RUMEN ACTIVITY, RUMEN PROTOZOA AND DAIRY STEER PERFORMANCE, AND ANALYSIS OF TOXIC SUBSTANCE(S) ASSOCIATED WITH MOLDING.
G P Mohanty
Diss Abstr Sect B 29(7):2250B
Jan 1969 Z5055.U49D53
Alfalfa, Animal physiology, Beef cattle. Feed toxicity, Hay, Molds, Protozoa, Rumen.

2324-69
GASTROINTESTINAL PROTEIN LOSS IN CATTLE, A CLINICAL AND PATHOPHYSIOLOGICAL STUDY.
K Nielsen
154P REF COPENHAGEN, CARL FR. MORTENSEN
27 Oct 1966 SF851.N5
Animal nutrition, Cattle, Gastrointestinal system, Livestock diseases, Metabolism, Proteins. Danish summary.

2325-69
SALMONELLA INFECTION IN CALVES AND OTHER ANIMALS. II. COMPARISON OF SELECTIVE MEDIA.
P M Nottingham
New Zeal J Agr Res 10(2):210-214 REF
May 1967 23 N4892
Calves, Culture media, Meat, Methodology, Salmonella.

2326-69
STUDIES ON BOVINE TUBERCULOSIS. EFFECTS OF REPEATED TUBERCULATIONS IN INFECTED CATTLE. (JA)
C Nozaki
Tokyo Soc Vet Zootech Sci J (16):68-80 REF
Mar 1967 41.9 T574
Cattle, Infectious diseases, Livestock diseases, Research, Tuberculosis.

2327-69
KINETICS OF VIRAL DEOXYRIBONUCLEIC ACID, PROTEIN, AND INFECTIOUS PARTICLE PRODUCTION AND ALTERATIONS IN HOST MACROMOLECULAR SYNTHESES IN EQUINE ABORTION (HERPES) VIRUS-INFECTED CELLS.
D J O'Callaghan J M Hyde G A Gentry C C Randall
J Virology 2(8):793-804 REF
Aug 1968 QR360.J6
Abortion, Biochemistry, Cells, Cycloheximide, Deoxyribonucleic acid, Electron microscopy, Herpesviruses, Isotopes, Kinetics, Measurement, Metabolism, Proteins, Synthesis, Tables (data), Tissue culture, Virology, Virus diseases (animals).

2328-69
MASTITIS: ITS CAUSES AND CURE.
C C Pandurangrao
Indian Farming 18(4):43-49
Jul 1968 22 IN283
Dairy cattle, Diagnosis, Drug therapy, Livestock diseases, Mammary glands, Mastitis, Milk.

2329-69
CONTROL OF RABIES IN WILDLIFE IN NEW YORK.
E Parks
N Y Fish Game J 15(1):98-111 MAP
Jan 1968 410 N48
Diethylstilbestrol, Disease control, Rabies, Tetracycline, Traps, Wildlife diseases.
The methods used in New York for controlling rabies are all aimed at reducing the populations of the animal species which carry it, most noteably, the foxes. Trapping and killing the animals, making baits with tetracycline poisoning, and setting baits with diethylstillestrol to inhibit reproduction are the specific methods employed.

2330-69
EXPERIMENTS FOR LIQUIDATING ABORTIONS IN EWES ON SHEEP FARMS WITH ABORTIONS. (BU)
D Pishev K Nedyalkov S Georgiev P Semov
Vet Med Nauk 5(6):49-53 REF
1968 41.8 V6468
Abortion, Dosage, Drug therapy, Livestock diseases, Salmonellosis, Sheep, Streptomycin. English and Russian summaries.

2331-69
RESEARCH ON DISEASES OF POULTRY.
B S Pomeroy
Minn Sci 25(1,FALL):13-14
1968 100 M668
Air saculitis, Blue comb, Economics, Paracolobactrum arizonae, Poultry diseases, Research, Salmonella.

2332-69
AFLATOXIN METABOLISM BY LIVER MICROSOMAL PREPARATIONS OF TWO DIFFERENT SPECIES.

R S Portman K M Plowman T C Campbell
Biochem Biophys Res Commun 33(5):711-715
09 Dec 1968 442.8 B5236
Aflatoxin, Aspergillus flavus, Biochemistry, Carcinogens, Laboratory animals, Liver, Metabolism, Mice, Microsomes, Toxicology.

2333-69
MYCOPLASMA INFECTION IN A WISCONSIN DAIRY HERD.
V P Rastas S M Johnston
Amer Vet Med Ass J 154(1):61
01 Jan 1969 41.8 AM3
Dairy cattle, Livestock diseases, Mastitis, Milk analysis, Mycoplasma, Symptomatology.

2334-69
RESEARCH ON THE RELATIONSHIP BETWEEN THE TUMOR CAUSING VIRUS OF THE QUAIL AND THE ROUS SARCOMA VIRUS. (FR)
Y de Ratuld G H Werner
Inst Pasteur Ann 115(1):122-128
Jul 1968 448.3 AN75
Chicks, Leukosis, Neoplasms, Poultry diseases, Quail, Rous sarcoma, Virus diseases (animals). English summary.

2335-69
PULMONARY DISEASES OF PIG IN MADAGASCAR. (FR)
J J Ribot M Razafindratsita
Rev Elevage Med Vet Pays Trop 20(4):551-556 REF
1967 41.8 R3262
Baby pigs, Diet, Escherichia coli, Humidity, Klebsiella pneumoniae, Lungs, Parasitism, Pasteurella multocida, Pseudomonas aeruginosa, Respiratory diseases, Swine. Spanish and English summaries.

2336-69
PATHOLOGIC RESPONSES OF THE MATURE AND DEVELOPING NERVOUS SYSTEM TO BLUETONGUE VIRUS.
W P C Richards
Diss Abstr Sect B 29(3):1074B-1075B
Sep 1968 Z5055.U49D53
Bluetongue, Diagnosis, Fetus, Immunology, Mice, Mortality, Nervous system, Research, Sheep, Virus diseases (animals).

2337-69
A MODIFIED MIXED HEMADSORPTION TEST AND ITS APPLICATION IN THE STUDY OF THE AVIAN LEUKOSIS-SARCOMA VIRUSES.
C R Rossi
Diss Abstr Sect B 29(7):2553B
Jan 1969 Z5055.U49D53
Antigens, Avian leukosis complex viruses, Chick embryos, Hemadsorption tests, Rous sarcoma virus, Virology, Virus diseases (animals).

2338-69
SEROLOGICAL DIFFERENTIATION OF MYCOPLASMA IN SWINE. (GE)
D Schimmel T Hubrig
Monatsh Vet 23(3):89-92
01 Feb 1968 41.8 M742
Agglutination, Livestock diseases, Mycoplasma, Serological tests, Swine. English and Russian summaries.

2339-69
EXPERIENCE OBTAINED FROM THE USE OF FORMOL-ADSORBAT VACCINES AGAINST SALMONELLA CHOLERAE-SUIS IN PIG STOCKS. (GE)
D Schmidt E Wittmann
Monatsh Vet 23(3):86-89 REF
01 Feb 1968 41.8 M742
Adsorption, Formaldehyde, Immunization, Livestock diseases, Salmonella choleraesuis, Salmonellosis, Swine, Vaccines. English and Russian summaries.

2340-69
EFFECT OF THIABENDAZOLE ON PITHOMYCES CHARTARUM (BERK. CURT.) M. B. ELLIS.
D P Sinclair M W Howe
New Zeal J Agr Res 11(1):59-62
Feb 1968 23 N4892
Cattle, Drug therapy, Liver diseases, Mycosis, Pithomyces chartarum, Sheep, Thiazolyl)-benzimidizole, 2-(4-.

2341-69
THE INFLUENCE OF VARYING DIETARY LEVELS OF MAGNESIUM, CALCIUM AND VITAMIN D ON MAGNESIUM METABOLISM.
K M Six
Diss Abstr Sect B 29(7):250/B
Jan 1969 Z5055.U49D53
Absorption, Animal nutrition, Calcium, Magnesium, Metabolism, Spectroscopy, Vitamin d.

2342-69
HEMANGIOSARCOMA IN A DOG.
L J Slaughter L Herman
Amer Vet Med Ass J 154(1):17-21
01 Jan 1969 41.8 AM3
Animal diseases, Diagnosis, Dogs, Neoplasms, Sarcoma, Symptomatology.

2343-69
COCCIDIOSIS IN WILD RABBITS, ORYCTOLAGUS CUNICULUS (L.), AT FOUR SITES IN DIFFERENT CLIMATIC REGIONS IN EASTERN AUSTRALIA. I. RELATIONSHIP WITH THE AGE OF THE RABBIT.
E Stodart
Australian J Zool 16(1):69-85 REF
Feb 1968 410 AU73
Aging, Coccidiosis, Eimeria, Rabbits.

An inverse correlation seems to exist between age of the rabbits tested and the intensity of Eimeria infections. The climatic habitat also seemed to effect the severity of coccidiosis.

2344-69
CYTOLOGY OF PINK-EYE OF SHEEP, INCLUDING A REFERENCE TO TRACHOMA OF MAN, BY EMPLOYING ACRIDINE ORANGE AND IODINE STAINS, AND ISOLATION OF MYCOPLASMA AGENTS FROM INFECTED SHEEP EYES.
P G Surman
Australian J Biol Sci 21(3):447-467 REF
Jun 1968 442.8 AU72
Conjunctivitis, Cytology, Human diseases, Mycoplasma, Sheep, Trachoma.

2345-69
COENZYME Q10 IN BRUCELLA ABORTUS BANG. (GE)
O W Thiele K Hoffmann
Naturwissenschaften 55(2):86
Feb 1968 474 N213
Biochemistry, Brucella abortus, Enzymes, Lipids, Ubiquinones.

The discovery of the coenzyme Q, an ubiquinone in Brucella abortus is discussed. The lipid content of B. abortus is compared with Agrobacterium tumefaciens and Pseudomonas denitrificans.

2346-69
A NEPHROTOXIN FROM ASPERGILLUS FUMIGATUS AND ITS POSSIBLE RELATIONSHIP WITH NEW ZEALAND MUCOSAL DISEASE-LIKE SYNDROME IN CATTLE.
R H Thornton G Shirley R M Salisbury
New Zeal J Agr Res 11(1):1-14 REF
Feb 1968 23 N4892
Aspergillus fumigatus, Cattle, Fungi, Fungus diseases (animals), Lesions, Mycelium, Mycotoxicosis.

2347-69
EPERYTHROZOON TUOMII, SP. N. (RICKETTSIALES) THIRD SPECIES OF EPERYTHROZOON IN CATTLE IN MALAGASY REPUBLIC. (FR)
G Vilenberg
Rev Elevoge Med Vet Pays Trop 20(4):563-569 REF
1967 41.8 R3262
Eperythrozoon tuomii, Eperythrozoonosis, Livestock diseases, Rickettsial diseases, Splenectomy. Spanish and English summaries.

2348-69
TRANSMISSION OF EQUINE SARCOID.
J L Voss
Amer J Vet Res 30(2):183-191 REF
Feb 1969 41.8 AM3A
Animal diseases, Animal histology, Disease transmission, Horses, Neoplasms, Sarcoma, Tissues, Transplanting.

2349-69
OCCURRENCE OF A SKIN RESPONSE TO INTRACUTANEOUS INJECTION OF ADRENALINE AS A METHOD TO DETECT THE EFFECTS OF ENDOTOXINES IN PIG ORGANISM. (GE)
W Wachtel L Lyhs
Monatsh Vet 23(3):94-96 REF
01 Feb 1968 41.8 M742
Edema disease, Epinephrine, Escherichia coli, Injections, Livestock diseases, Skin, Swine, Toxins. English and Russian summaries.

2350-69
THE PATHOGENESIS OF EXPERIMENTAL DISTEMPER IN MICE.
B C Ward
Diss Abstr Sect B 29(3):1075B-1076B
Sep 1968 Z5055.U49D53
Animal histology, Antibodies, Canine distemper, Encephalitis, Fluorescent antibody technic, Laboratory animals, Mice, Virus diseases (animals).

2351-69
INFECTIOUS PERITONITIS IN CATS.
B C Ward N Pederson
Amer Vet Med Ass J 154(1):26-35
01 Jan 1969 41.8 AM3
Animal diseases, Cats, Epidemiology, Infectious diseases, Peritonitis, Symptomatology.

2352-69
EFFECTS OF DDT ON BRAIN ELECTRICAL ACTIVITY IN AWAKE, UNRESTRAINED RATS
D E Woolley B A Barron
Toxicol Appl Pharmacol 12(3):440-454 REF
May 1968 391.8 T662
Brain, DDT, Dosage, Electrodes, Electrophysiology, Laboratory animals, Rats, Symptomatology.

ARTHROPODS

2353-69
AN ASSOCIATION BETWEEN SERUM AMYLASE PHENOTYPE AND TICK INFESTATION IN CATTLE.
G C Ashton G W Seifert J Francis
Australian J Biol Sci 21(2):303-308
Apr 1968 442.8 AU72
Amylases, Blood tests, Boophilus microplus, Cattle, Insect infestation.

2354-69
ERADICATION EFFORTS AGAINST TROPICAL BONT TICK, AMBLYOMMA VARIEGATUM IN THE VIRGIN ISLANDS.
J L Hourrigan R K Strickland O L Kelsey B E Knisely C C Crago
Amer Vet Med Ass J 154(5):540-545
01 Mar 1969 41.8 AM3
Amblyomma variegatum, Carbaryl, Chemical control (insects), Coumaphos, Dipping, Insect vectors, Livestock, Rickettsia, Spraying.

The three-host tick Amblyomma variegatum was identified in the Virgin Islands and since it is a vector of the heart water disease agent, Rickettsia ruminatum, efforts were made to eradicate it by dipping livestock in coumaphos and spraying localized areas with carbaryl.

2355-69
INSECTICIDAL DRUG CONTAINING LINDANE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.
H L Jr. Ley
Fed Regist 34(25):1783
06 Feb 1969 L1.451
Cochliomyia hominivorax, Dosage, Drugs, Insecticides, Lindane, Livestock, Maggots, Parasitism, Veterinary medicine.

2356-69
ARTHROPOD PARASITES ON THE STARLING, STURNUS VULGARIS L., IN SOUTHWEST VIRGINIA.
W G Mitchell E C Turner
J Econ Entomol 62(1):195-197
17 Feb 1969 421 J822
Arthropoda, Birds, Parasitism.

2357-69
BATS IN CALIFORNIA.
K F Murray
Calif Vector Views 15(10):109-114
Oct 1968 449.8 C12
Animal taxonomy, Animal vectors, Bats, Biology, Pest control, Rabies.

2358-69
CONTROL OF THE NORTHERN FOWL MITE ON LAYING HENS WITH SHELL SD-8447.
C B Nelson E L Bramhall W V Miller H G Simkover
J Econ Entomol 62(1):47-49
17 Feb 1969 421 J822
Chemical control (insects), Chickens, Chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate,2-, Dusting, Insect pests, Insecticide application, Mites, Ornithonyssus sylviarum, Spraying.

PARASITES

2359-69
A STUDY OF IMMUNOLOGICAL REACTIONS IN BOVINE FASCIOLOIDIASIS (FASCIOLOIDES MAGNA).
R R Bell
Diss Abstr Sect B 29(7):2676B
Jan 1969 Z5055.U49D53
Antigens, Calves, Cattle, Fascioloides magna, Immunology, Livestock diseases, Parasites, Serum.

2360-69
CONCERNING THE LARVA MIGRANS VISCERALIS OF ASCARIS LUMBRICOIDES IN THE EXPERIMENTAL HOST (MICE). (GE)
M Buske H Engelbrecht
Z Parasitenk 30(4):337-346 REF
26 Jul 1968 442.8 Z33F
Ascaris lumbricoides, Larvae, Liver, Lungs, Mice, Parasitism. English summary.

2361-69
LIVER-FLUKE IN MADAGASCAR. BIOLOGICAL CYCLE OF FASCIOLA GIGANTICA. (FR)
P Daynes
Rev Elevage Med Vet Pays Trop 20(4):557-562 REF
1967 41.8 R3262
Aquatic animals, Fasciola gigantica, Fascioliasis, Goats, Parasitism, Ruminants, Sheep, Snails, Zebu cattle. Spanish and English summaries.

2362-69
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIETHYLCARBAMAZINE, STYRYLPYRIDINIUM CHLORIDE.
R F. Duggan
Fed Regist 34(10):566
15 Jan 1969 L1.451
Ancylostomatidae, Chlorides, Diethylcarbamazine, Dogs, Drug therapy, Food additives, Parasitism.

2363-69
TOXOPLASMA GONDII IN TISSUE CULTURE AND MAINTENANCE AT LOW TEMPERATURES.
P Franchi E E A Hahn
Z Parasitenk 30(4):360-367 REF
26 Jul 1968 442.8 Z33F
Kidneys, Laboratory animals, Monkeys, Parasitism, Rabbits, Swine, Temperature, Tissue culture, Toxoplasma gondii.

2364-69
HYGROMIX (HYGROMYCIN B). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Ley
Fed Regist 34(36):2516-2517
21 Feb 1969 L1.451
Anthelmintics, Ascaridia galli, Ascaris, Dosage, Drug therapy, Heterakis gallinarum, Hygromycin B, Legislation, Livestock, Oesophagostomum, Trichuris, Veterinary medicine.

2365-69
AH-NBC CAPSULES. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr Ley
Fed Regist 34(24):1738
05 Feb 1969 L1.451
Ancylostomatidae, Arecoline, Ascaris, Bromides, Chlorides, Dogs, Dosage, Drugs, Parasitism, Taenia, Veterinary medicine.

2366-69
DR. MAYFIELD LARGE ROUNDWORM TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(24):1738
05 Feb 1969 L1.451
Ascaris, Drugs, Livestock, Parasitism, Potassium tartrate, Veterinary medicine.

2367-69
DIZAN POWDER AND TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.
H L Jr. Ley
Fed Regist 34(25):1783
06 Feb 1969 L1.451
Ancylostomatidae, Ascaris, Dirofilaria immitis, Dithiazanine iodide, Dogs, Dosage, Drugs, Parasitism, Strongyloides, Trichuris, Veterinary medicine.

2368-69
CADMIUM SALTS. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1609
01 Feb 1969 L1.451
Ascaris lumbricoides, Cadmium, Drugs, Parasitism, Salts, Swine, Veterinary medicine.

2369-69
CAPARSOLATE SODIUM. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1610
01 Feb 1969 L1.451
Dirofilaria immitis, Dogs, Drugs, Parasitism, Sodium, Veterinary medicine.

2370-69
D.N.P. DISOPHENOL. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1610
01 Feb 1969 L1.451
Ancylostomatidae, Disophenol, Dogs, Drugs, Parasitism, Veterinary medicine.

2371-69
VERMIPLEX CAPSULES. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1612-1613
01 Feb 1969 L1.451
Ancylostomatidae, Ascaris, Benzene, Cats, Cestoda, Dogs, Parasitism, Veterinary medicine.

2372-69
VERMEX POULTRY TABLETS AND VERMEX POWDER. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Jr. Ley
Fed Regist 34(22):1612
01 Feb 1969 L1.451
Anthelmintics, Dichlorophene, Drugs, Parasitism, Phenothiazine, Piperazine, Poultry, Veterinary medicine.

2373-69
PSEUDOHOOKWORM INFECTION - TRICHOSTRONGYLIASIS. TREATMENT WITH THIABENDAZOLE. (ABSTRACT).
E K Markell
Excerpta Med Pharm Toxicol 21(12):599
Dec 1968 241.64 EX23
Antibiotics, Nematodes, Parasitism, Thiazolyl)-benzimidizole, 2-(4-, Trichostrongylosis. From New England Journal of Medicine, 1968, 278/15 (831-832).

2374-69
THE EFFECT OF TETRAMISOLE ON MUELLERIUS CAPILLARIS IN GOATS. (SW)
O Nilsson L Sorelius
Nord Veterinaermed 20(9):495-498
Sep 1968 41.8 N813
Anthelmintics, Autopsies, Goats, Larvae, Muellerius capillaris, Nematodes, Tetramisole. German and English summaries.

2375-69
EXPERIMENTAL INVESTIGATION INTO THE PHYSIOLOGICAL CHANGE IN COLOR OF HIRUDINEA. (GE)
G Reim
Zool Jahrbucher Abt Allg Zool Physiol Tiere 74(2):198-232 REF
1968 410 Z751Z
Chromatophores, Hirudinea, Physiology, Pigments.

2376-69
SPARGANOSIS IN A CAT.
R E Schmidt J S Reid F M Garner
J Small Anim Pract 9(11):551-553 REF
Nov 1968 41.8 J8292
Cats, Cestoda, Parasitism, Pseudophyllidea, Sparganosis. French and German summaries.

2377-69
THE EFFECT OF DIMETHIALIUM ON EXPERIMENTAL CHICKEN COCCIDOSIS. (JA)
M Taniguchi K Nomata S Takagi K Ishikawa Y Kamizato T Kagawa
Tokyo Soc Vet Zootech Sci J (16):55-67 REF
Mar 1967 41.9 T574
Chickens, Coccidiosis, Dimethyalium, Drug therapy, Livestock diseases, Parasitism, Poultry diseases.

2378-69
IMMUNOLOGICAL STUDIES ON EXPERIMENTAL ASCARIASIS.
J F Williams
Diss Abstr Sect B 29(7):2555B
Jan 1969 Z5055.U49D53
Antigens, Ascaris lumbricoides suum, Hemagglutination, Immunology, Laboratory animals, Larvae, Mice, Nematodes, Parasites, Toxascaris leonina, Toxocara canis.

COMMODITY PROTECTION

2379-69
COMPARATIVE REVIEW OF BHC DUST AND MALATHION EMULSION AS AGENTS FOR DISINFESTATION ON THE BASIS OF PAST EXPERIENCE.
A K Bose
Bull Grain Technol 1(1/4,MAR-DEC):24-29
1963 TS2120.B8
Antiseptics, Benzene hexachloride, Chemical control (insects), Dusting, Food storage, Fumigation, Grain, Insect control, Malathion, Mortality, Temperature.

STORAGE DISEASES

2380-69
INFLUENCE OF MOISTURE CONTENT, TEMPERATURE, AND TIME OF STORAGE UPON INVASION OF ROUGH RICE BY STORAGE FUNGI.
C M Christensen
Phytopathology 59(2):145-148
Feb 1969 464.8 P56
Aspergillus candidus, Aspergillus flavus, Aspergillus glaucus, Aspergillus oryzae, Fungus diseases (plants), Humidity, Penicillium, Rice, Storage diseases, Temperature, Time.

2381-69
THE EFFECT OF MOLDS ON THE ENZYMIC ACIVITY, RESPIRATION AND VIABILITY OF STORED GRAIN. (RUS)
L S Lvova
Priklad Biokhim Mikrobiol Akad Nauk SSSR 4(2,MAR-APR):218-222 REF
1968 385 P93
Aspergillus amstelodami, Aspergillus repens, Enzymes, Grain, Microorganisms, Molds, Penicillium, Respiration, Stored products. English summary.

ARTHROPODS

2382-69
CAMPAIGN AGAINST STORED GRAIN PESTS IN VILLAGES OF IADP DISTRICT LUDHIANA.
H N Batra
Plant Protect Bull 19(3):21-25
1967 421 P69
Chemical control (pests), Food moisture, Grain, Insect pests, Malathion, Pest control, Storage injuries.

2383-69
THE TERMITES OF PARIS. (FR)
M De Feytaud
Paris Acad Agr France Compt Rend Hebd Seances 54(10):832-844
03 Jul 1968 14 P215BC
Food habits, Habitats, Insect behavior, Insect geography, Termites.

2384-69
A NEW SIMPLE METHOD FOR PROTECTING RICE AGAINST RICE WEEVIL (SITOPHILUS ORYZAE).
A Ehsan
Pakistan J Sci Indus Res 11(2):218
Apr 1968 475 P174
Attractants, Rice, Sitophilus oryzae, Storage diseases.

The use of barkayan or eucalyptus tree bark for protection of polished rice from the rice weevil is discussed. It was found that twenty-four hours after inserting a piece of bark in a bag of rice that the weevils would cease feeding in the rice and could be found in the bark. The bark could then be removed, cleaned and reinserted into the bag.

ENVIRONMENTAL CONTAMINATION

2385-69
SIGNS OF WATER POLLUTION IN THE RIVIERE DES PRAIRIES. (FR)
G Vaillancourt
Natur Can 95(4,JUL-AUG):979-1029 MAP REF
1968 410 N216
Hydrogen-ion concentration, Oxygen, Water analysis, Water pollution. English summary.

RESIDUES

2386-69
SEVERAL FACTORS AFFECTING ADSORPTION OF ATRAZINE AND DIPHENAMID BY SOILS.
R A Ashley
Diss Abstr Sect B 29(7):2259B-2260B
Jan 1969 Z5055.U49D53
Atrazine, Chromatography, Diphenamid, Herbicides, Phytotoxicity, Soil adsorption, Soil analysis, Spectroscopy.

2387-69
AIR POLLUTION DAMAGE TO CHRYSANTHEMUM FOLIAGE.
E Brennan I A Leone
Plant Dis Rep 53(1):54-55
Jan 1969 1.9 P69P
Air pollution, Chrysanthemum, Crop varieties, Greenhouse culture, Peroxyacetyl nitrate, Plant injuries, Plant physiology, Residues, Symptomatology.

2388-69
OXIDATIVE METABOLISM OF PHOSPHAMIDON IN RATS AND A GOAT.
G P Clemons R E Menzer
J Agr Food Chem 16(2,MAR-APR):312-318 REF
1968 381 J8223
Animal physiology, Goats, Insecticides, Metabolism, Milk, Oxidation, Pesticide residues, Phosphamidon, Rats, Urine.

2389-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. MISCELLANEOUS AMENDMENTS.
R E Duggan
Fed Regist 33(243):18578
14 Dec 1968 L1.451
Agricultural products, Chemicals, Legislation, Pesticide residues, Tolerances.

2390-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(60):5857
28 Mar 1969 L1.451
Agricultural products, Chromatography, Hops, Insecticide residues, Insecticides, Phorate, Tolerances.

2391-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(17):1274
25 Jan 1969 L1.451
Agricultural products, Chemicals, Grapes, Herbicides, Hops, Pesticide residues, Root crops, Trifluralin.

2392-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(17):1274-1275
25 Jan 1969 L1.451
Aldrin, Cattle, Chemicals, Chromatography, Dieldrin, Goats, Horses, Insecticides, Meat, Pesticide residues, Sheep, Swine.

2393-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(17):1274
25 Jan 1969 L1.451
Cattle, Chemicals, Ciodrin, Dimethyl phosphate, Goats, Insecticides, Meat, Milk, Pesticide residues, Sheep, Swine.

2394-69
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
R E Duggan
Fed Regist 34(24):1739
05 Feb 1969 L1.451
Dalapon, Herbicides, Lemons, Pesticide residues, Salts, Sodium.

2395-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(24):1739-1740
05 Feb 1969 L1.451
Chemicals, Corn, Eggs, Herbicides, Livestock, Meat, Pesticide residues, Poultry, Trichlorobenzyl chloride.

2396-69
NOTICE OF FILING OF PETITIONS REGARDING PESTICIDE CHEMICALS AND FOOD ADDITIVES.
R E Duggan
Fed Regist 34(10):566
15 Jan 1969 L1.451
Chemicals, Cottonseed, Food additives, Insecticides, Peanuts, Pesticide residues, Regulation (pesticides), Soybeans.

2397-69
BIOCHEMICAL TRANSFORMATIONS OF PESTICIDES BY SOIL MICRO-ORGANISMS.
W C Evans
Biochem J 109(2):3P
Sep 1968 382 B52
Biochemistry, Chemicals, Pesticide residues, Pesticides, Soil microorganisms. Proceeding from 483rd meeting of Biochemical Society held on June 20-22 at Univ. Coll. of North Wales, Bangor.

2398-69
REMOVAL OF DDT, MALATHION, AND CARBARYL FROM TOMATOES BY COMMERCIAL AND HOME PREPARATIVE METHODS.
R P Farrow F C Lamb R W Cook J R Kimball E R Elkins
J Agr Food Chem 16(1,JAN-FEB):65-71 REF
1968 381 J8223
Carbaryl, DDT, Food processing, Malathion, Methodology, Pesticide residues, Tomatoes.

2399-69
BROMIDE RESIDUES FROM METHYL BROMIDE FUMIGATION OF FOOD COMMODITIES.
M E Getzendaner A E Doty E L McLaughlin D L Lindgren
J Agr Food Chem 16(2,MAR-APR):265-271 REF
1968 381 J8223
Bromides, Fluorescence, Food, Food analysis, Fumigants, Methyl bromide, Pesticide residues.

2400-69
DEGRADATION OF DDT IN ATLANTIC SALMON (SALMO SALAR).
G L Greer U Paim
Can Fish Res Board J 25(11):2321-2326 REF
Nov 1968 442.9 C16J
Biochemistry, Chemical reactions, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Insecticides, Metabolites, Residues, Salmon, Toxicology.

2401-69
THIN-LAYER CHROMATOGRAPHY OF BROMACIL RESIDUES IN SOILS.
D J Hamilton
J Agr Food Chem 16(1,JAN-FEB):142-143
1968 381 J8223
Bromacil, Chromatography, Irradiation, Pesticide residues, Silver nitrate, Soils, Spraying, Ultraviolet rays.

2402-69
THE EFFECT OF EVEN OR UNEVEN APPLICATIONS OF DDT PRILLS TO PASTURE ON DDT RESIDUES IN STOCK.
D L Harrison V Shanks
New Zeal J Agr Res 10(2):253-260
May 1967 23 N4892
Biochemistry, Biological assay, Cattle, DDT, Insecticide residues, Sheep.

DDT residues were measured in sheep fat and cow milk from animals grazing on evenly and unevenly treated pastures. The results indicated that random grazing occurred on the unevenly treated pastures.

2403-69
RESIDUES IN PASTURE FOLLOWING APPLICATION OF A GRANULAR HEPTACHLOR PREPARATION.
J T Hughes P G Fenemore
New Zeal J Agr Res 10(2):261-271 REF
May 1967 23 N4892
Chemical control (insects), Heptachlor, Pesticide residues.

2404-69
EFFECTS OF ISOBENZAN ON SOIL FAUNA AND SOIL STRUCTURE.
J M Kelsey E Z Arlidge
New Zeal J Agr Res 11(2):245-260 REF
May 1968 23 N4892
Isobenzan, Pesticide residues, Soil contamination, Soil fauna, Soil structure, Soil-plant-animal relations.

Isobenzan was found to have a residue still evident four years after its application which drastically reduced the soil fauna, except nematodes, retarded plant growth, and reduced the soil's ability to absorb and retain moisture.

2405-69
SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
J K Kirk
Fed Regist 34(59, PT 1):5753
27 Mar 1969 L1.451
Agricultural legislation, Growth factors, Peanuts, Plant regulators, Residues, Succinic acid, 2,2-dimethylhydrazide, Tolerances.

2406-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. COORDINATION PRODUCT OF ZINC ION AND MANEB.
J K Kirk
Fed Regist 34(57):5601
25 Mar 1969 L1.451
Agricultural products, Fungicides, Ions, Maneb, Pesticide residues, Pesticides, Tolerances, Zinc.

2407-69
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. TYLOSIN.
J K Kirk
Fed Regist 34(61):5929-5930
29 Mar 1969 L1.451
Animal diseases, Food additives, Food consumption, Mycoplasma gallisepticum, Residues, Respiratory diseases, Tylosin.

2408-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ENDOSULFAN.
J K Kirk
Fed Regist 34(36):2501
21 Feb 1969 L1.451
Agricultural products, Endosulfan, Food analysis, Legislation, Pesticide residues, Public health, Tolerances.

2409-69
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. THIABENDAZOLE.
J K Kirk
Fed Regist 34(29,PT1):2021
12 Feb 1969 L1.451
Chemicals, Citrus, Fungicides, Fungus diseases (plants), Pesticide residues, Thiazolyl)-benzimidizole, 2-(4-.

2410-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 34(36):2518-2519
21 Feb 1969 L1.451
Agricultural products, Boron, Cottonseed, Defoliants, Herbicides, Legislation, Pesticide residues, Sodium borate, Tolerances.

2411-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 34(36):2518
21 Feb 1969 L1.451
Agricultural products, Chemical control (weeds), Dichlorophenyl p-nitrophenyl ether, 2,4-, Herbicides, Legislation, Pesticide residues, Vegetables.

2412-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 34(36):2518
21 Feb 1969 L1.451
Agricultural products, Allethrin, Chemical control (insects), Fruit, Insecticides, Legislation, Pesticide residues, Tolerances.

2413-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 34(36):2518
21 Feb 1969 L1.451
Chemical control (weeds), Cottonseed, Herbicides, Legislation, Pesticide residues.

2414-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 34(36):2518
21 Feb 1969 L1.451
Fats, Goats, Insecticides, Legislation, Metaholites, Pesticide residues, Ronnel, Sheep.

2415-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIPHENAMID.
J K Kirk
Fed Regist 34(28,PT 1):1946
11 Feb 1969 L1.451
Chemical control (weeds), Chemicals, Diphenamid, Herbicides, Metaholites, Pesticide residues, Vegetables.

2416-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O-ETHYL S-PHENYL ETHYLPHOSPHONODITHIOATE.
J K Kirk
Fed Regist 34(22):1589
01 Feb 1969 L1.451
Agricultural products, Chemicals, Ethyl S-phenyl ethylphosphonodithioate, O-, Insecticides, Pesticide residues, Regulation (pesticides), Tolerances, Vegetables.

2417-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. THIRAM.
J K Kirk
Fed Regist 34(19):1379
29 Jan 1969 L1.451
Agricultural products, Bananas, Chemicals, Pesticide residues, Thiram.

2418-69
BEHAVIOR OF DDT IN POTATOES DURING COMMERCIAL AND HOME PREPARATION.
F C Lamb R P Farrow E R Elkins R W Cook J R Kimball
J Agr Food Chem 16(2,MAR-APR):272-275 REF
1968 381 J8223
Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Food processing, Insecticides, Pesticide residues, Potatoes.

2419-69
USE OF CARBON TO REDUCE UPTAKE OF INSECTICIDAL SOIL RESIDUES BY CROP PLANTS. EFFECTS OF CARBON ON INSECTICIDE ADSORPTION AND TOXICITY IN SOILS.
E P Lichtenstein T W Fuhremann K R Schulz
J Agr Food Chem 16(2,MAR-APR):348-355 REF
1968 381 J8223
Absorption, Aldrin, Carbon, Dieldrin, Drosophila melanogaster, Heptachlor, Heptachlor epoxide, Insecticides, Peas, Pesticide residues, Plant physiology, Soil adsorption, Soils.

2420-69
ADSORPTION OF SOME PESTICIDES ON SOILS, CLAY MINERALS AND HUMIC ACID.
G M MacNamara
Diss Abstr Sect B 29(7):2260B-2261B
Jan 1969 Z5055.U49D53
Clay minerals, Clay soils, DDT, Humic acids, Linuron, Malathion, Pesticides, Soil adsorption.

2421-69
MEASUREMENT OF RESIDUES OF PHORATE AND ITS OXYGEN ANALOG SULFONE IN PLANT TISSUES BY TOTAL PHOSPHORUS DETERMINATION.
A J Manuel
J Agr Food Chem 16(1,JAN-FEB):57-59 REF
1968 381 J8223
Benzene, Chromatography, Measurement, Metabolites, Oxygen, Pesticide residues, Phorate, Phosphorus, Plants, Sulfone, Tissues.

2422-69
RESIDUES OF ORGANOCHLORINE INSECTICIDES IN DEAD BIRDS IN THE UNITED KINGDOM.
J Robinson
Chem Indus (47):1974-1986 REF
25 Nov 1967 382 M31C
Birds, Chlorinated hydrocarbons, Chromatography, Insecticides, Pesticide residues, Toxicology.

2423-69
EFFECT OF SOIL SYSTEMIC INSECTICIDES ON FLAVOR AND RESIDUE IN COFFEE.
J G Rodriguez J E Fahey C E Fernandez
J Agr Food Chem 16(2,MAR-APR):276-279
1968 381 J8223
Bidrin, Coffee, Disulfoton, Food flavor, Insecticides, Pesticide residues, Phorate, Phosphorus, Soils.

2424-69
HEPTACHLOR RESIDUES IN SOIL, PASTURE, AND STOCK RESULTING FROM THE TREATMENT OF SOIL OR PASTURE WITH HEPTACHLOR GRANULES.
S R B Solly D L Harrison V Shanks
New Zeal J Agr Res 11(2):371-385 REF

May 1968 23 N4892
Cattle, Heptachlor, Heptachlor epoxide, Insecticide residues, Pasture management, Sheep, Soil insecticides.

2425-69
IMPROVED METHOD FOR DETERMINATION OF SULFONAMIDES IN MILK AND TISSUES.
F Tishler J L Sutter J N Bathish H E Hagman
J Agr Food Chem 16(1,JAN-FEB):50-53
1968 381 J8223
Cattle, Drugs, Milk, Pesticide residues, Poultry, Sulfonamides, Swine, Tissues.

2426-69
PROCEDURE FOR SEMI-QUANTITATIVE CONFIRMATION OF SOME ORGANOPHOSPHORUS PESTICIDE RESIDUES IN PLANT EXTRACTS.
P J Wales C E Mendoza H A McLeod W P McKinley
Analyst 93(1111):691-693
Oct 1968 382 AN1
Azinphosmethyl, Carbophenothion, Chromatography, Diazinon, Disulfoton, Malathion, Mevinphos, Organophosphorus compounds, Parathion, Pesticide residues, Plant extracts, Potatoes.

TOXICOLOGY

2427-69
EFFECT OF DDT OR PARATHION ON CONDITION AVOIDANCE RESPONSE OF OFFSPRING FROM DDT OR PARATHION TREATED MOTHERS. (ABSTRACT).
G M Al-Hachim G B Fink
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23
Animal adaptation, Breeding, DDT, Mice, Parathion, Reproduction, Toxicology. From Psychopharmacologia (Berl.), 1968, 12/5, (424-427).

2428-69
THE EARLY EFFECTS OF LOW DDT DOSES ON THE NERVOUS SYSTEM IN ANIMAL EXPERIMENTS.
I Desi I Farkas T Kemeny
Experientia 24(1):51-52 REF
15 Jan 1968 475 EX7
Animal physiology, Biochemistry, Central nervous system, Chlorinated hydrocarbons, DDT, Insecticide residues, Rats, Toxicology.

2429-69
RELEASE OF AN ACETYLCHOLINE-LIKE SUBSTANCE FROM GUINEA PIG ILEUM BY SCORPION VENOM.
C R Diniz J M Torres
Toxicon 5(4):277-281 REF
May 1968 391.8 T66
Acetylcholine, Guinea pigs, Intestines, Muscles, Scorpionida, Tityus bahyensis, Tityus serrulatus, Venoms.

2430-69
THE EFFECT OF DDT IN THE DIET ON THE RESTING AND LOADING ELECTROCORTICOGRAM RECORD.
I Farkas I Desi T Kemeny
Toxicol Appl Pharmacol 12(3):518-525 REF
May 1968 391.8 T662
Aldosterone, Diet, DDT, Dosage, Drug therapy, Electrodes, Electrophysiology, Laboratory animals, Rats, Toxicology.

2431-69
TOXICITY OF FENTIN HYDROXIDE TO RATS.
T B Gaines R D Kimbrough
Toxicol Appl Pharmacol 12(3):397-403 REF
May 1968 391.8 T662
Animal physiology, Diet, Dosage, Food consumption, Laboratory animals, Rats, Toxicology, Triphenyltin hydroxide.

2432-69
CHOLINESTERASE INHIBITION IN THE ACUTE TOXICITY OF ALKYLSUBSTITUTED 2-AMINOETHANOLS.
R Hartung H H Cornish
Toxicol Appl Pharmacol 12(3):486-494 REF
May 1968 391.8 T662
Brain, Cholinesterases, Culture media, Dosage, Emulsifying agents, Inhibitors, Rats, Toxicology.

2433-69
EFFECT OF THE VENOM OF THE SCORPION TITYUS SERRULATUS ON ADRENAL GLAND CATECHOLAMINES.
M C Henriques G Gazzinelli C R Diniz M V Gomez
Toxicon 5(3):175-179 REF
Feb 1968 391.8 T66
Adrenal glands, Amines, Catechol, Glands (insects), Physiology, Scorpionida, Tityus serrulatus, Venoms.

2434-69
EFFECT OF THE VENOM OF THE BEE APIS MELLIFERA ON OSMOTIC FRAGILITY OF CATTLE RBC.
I Hort A Herz
Toxicon 5(3):181-186
Feb 1968 391.8 T66
Apis mellifera, Bee venom, Blood cells, Cattle, Erythrocytes, Osmosis, Physiology.

2435-69
COLLAGENOLYTIC ACTIVITY OF SNAKE AND SPIDER VENOMS.
E Kaiser W Raab
Toxicon 4(4):251-255 REF
Feb 1967 391.8 T66
Casein, Collagen, Enzymes, Snake venom, Snakes, Spider venom, Spiders.

2436-69
INCOMPLETE SODIUM INACTIVATION IN NODES OF RANVIER TREATED WITH SCORPION VENOM.
E Koppenhofer H Schmidt
Experientia 24(1):41-42 REF
15 Jan 1968 475 EX7
Animal physiology, Bioehemistry, Scorpionida, Toxicology, Venoms.

2437-69
ANTIGEN CONVERSION IN SALMONELLA. XI. CONVERSIO IN THE N(O:30) GROUP. (FR)
L Le Minor
Inst Pasteur Ann 115(1):62-67 REF
Jul 1968 448.3 AN75
Antigens, Electron microscopy, Immunochemistry, Phagocytes, Salmonella. English summary. many Salmonella strains are used in this projeet.

2438-69
PHARMACOLOGICAL AND ENZYMIC CONSTITUENTS OF THE VENOM OF AN AUSTRALIAN BULLDOG ANT MYRMECIA PYRIFORMIS.
J C Lewis I S de la Lande
Toxicon 4(4):225-234 REF
Feb 1967 391.8 T66
Enzymes, Histamine, Hyaluronidase, Muscles, Myrmeeia pyriformis, Pharmacology, Venoms.

2439-69
A NEW SPECIES OF SALMONELLA OF NIGERIAN ORIGIN, SALMONELLA BIAFRA. (3, 10:Z10:26). (FR)
E van Oye C Du Pre
Inst Pasteur Ann 115(1):77-78
Jul 1968 448.3 AN75
Antigens, Bacteria, Salmonella, Serological tests, Taxonomy. English summary.

2440-69
EFFECT ON HONEY BEES OF DICHLORVOS AND BROMOPHOS APPLIED AS SPRAYS TO WHITE CLOVER (TRIFOLIUM REPENS L.).
T Palmer-Jones P G Clineh
New Zeal J Agr Res 11(1):138-141
Feb 1968 23 N4892
Apis mellifera, Bromophos, Diehlorvos, Spraying, Toxicity, White elover.

2441-69
TRANSMISSIBLE RESISTANCE FACTORS IN ENTEROBACTERIACEAE ISOLATED IN ALGERIA. (FR)
F Papa
Inst Pasteur Ann 115(1):68-76 REF
Jul 1968 448.3 AN75
Baeteria, Enterobaeteriaceae, Epidemiology, Escheriehia eoli, Escheriehia freundii, Resistance, Salmonella. English summary.

2442-69
RESEARCH AND TESTING OF PREPARATIONS ON RODENTS IN THE HABITAT OF MAN. (GE)
W Reiehmuth
Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):9-12
Jan 1967 442.9 B832
Humans, Legislation, Pestieides, Researeh, Rodent control, Rodentieides, Rodents, Toxicology.

2443-69
THE EFFECT OF MALEIC HYDRAZIDE ON THE MITOSIS OF PHYTOHAEMAGGLUTININ STIMULATED HUMAN LYMPHOCYTES CULTURED IN VITRO.
J Timson
Caryo Logia 21(2,APR-JUN):157-159
1968 442.8 C25
Humans, Lymphoeytes, Maleie hydrazide, Mitosis, Tissue culture.

PLANT PHYSIOLOGY & BIOCHEMISTRY

2444-69
SURVIVAL OF ROOT-INFECTING FUNGI IN SOIL. X. SENSITIVITY OF PROPAGULES OF THIELAVIOPSIS BASICOLA TO SOIL FUNGISTASIS IN NATURAL AND ALFALFA-AMENDED SOIL.
P B Adams G C Papavizas
Phytopathology 59(2):135-138
Feb 1969 464.8 P56
Alfalfa, Conidia, Culture media, Fungicides, Fungus diseases (plants), Roots, Seed germination, Soil fungi, Thielaviopsis basicola.

2445-69
EFFECTS OF LINDANE AND CARBARYL ON INSECTS, SOIL AND PLANT NITROGEN, AND GRAIN YIELD OF RICE.
S K de Datta R S Ayyangar J T Magbanua
Exp Agr 3(3):239-247
Jun 1967 10 EX72
Carbaryl, Crop yields, Inseet eontrol, Irrigation, Lindane, Nitrogen, Plant protection, Rice, Soils, Water.

2446-69
CARBOHYDRATE RESERVES IN MOUNTAIN RANGE PLANTS WITH RESPECT TO PHENOLOGICAL STAGE OF DEVELOPMENT AND ARTIFICAL DEFOLIATION.
G B Donart
Diss Abstr Sect B 29(7):2249B-2250B
Jan 1969 Z5055.U49D53
Carbohydrates, Climate, Colorimetry, Defoliation, Plant hiochemistry, Plant extracts, Plant physiology, Ranges.

2447-69
RESPONSE OF COTTON PLANT TO CERTAIN COMBINATIONS OF FERTILIZERS AND METAISOSYSTOX.
M El-Kadi M Zaki M Abo-Elghar A Shahaan
An Agr Sci 10(1):47-59 REF
Jun 1965 24 AN72

Biochemistry, Cotton, Fertilizers, Insecticide residues, Insecticides, Nitrogen, Oxydemeton-methyl, Phosphorus, Plant physiology, Potassium. Arabic summary.

2448-69
SELECTIVE ACTION OF CHLOROXURON ON SOYBEAN AND MORNINGGLORY.
R W Feeny
Diss Abstr Sect B 29(7):2261B
Jan 1969 Z5055.U49D53
Chloroxuron, Chromatography, Herbicides, Ipomoea, Phytotoxicity, Plant growth inhibitors, Plant physiology, Soybeans.

2449-69
ON THE SENSITIVENESS OF SEVERAL WOOD-DECAYING FUNGI TO GASEOUS STERILIZATION WITH PROPYLENE OXIDE.
W Liese U Ammer
17P REF
1967 TRANSL. 17050
Ascomycetes, Basidiomycetes, Culture media, Fiberboard, Propylene oxide, Sterilization, Wood destroying fungi. Translated from Angew. Bot. 39(3/4):89-98,1965.

2450-69
GROWTH REGULATOR CONTROL OF FRUIT SET AND DEVELOPMENT IN THE HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM L.).
C M Mainland
Diss Abstr Sect B 29(7):2255B
Jan 1969 Z5055.U49D53
Biological assay, Blueberries, Chromatography, Foliar application, Fruit setting, Gibberellins, Greenhouse culture, Growth factors, Plant hormones, Plant physiology, Plant regulators.

2451-69
THE EFFECTS OF PLANT AMENDMENTS AND THEIR ASSOCIATED MICROFLORA ON RHIZOCTONIA SOLANI KUEHN.
W J Manning
Diss Abstr Sect B 29(7):2257B
Jan 1969 Z5055.U49D53
Beans, Ceratobasidium, Fusarium oxysporum, Microorganisms, Plant residues, Rhizoctonia solani, Streptomyces.

2452-69
PRELIMINARY STUDY ON THE EFFECT OF GIBBERELLIC ACID ON FRUIT SET IN THE CHERIMOYA.
S E Maximos G R Stino
An Agr Sci 10(2):319-323
Dec 1965 24 AN72
Cherimoya, Flowers, Fruit, Gibberellic acid, Plant physiology, Research, Seeds, Spraying.

2453-69
CONSISTENCY OF RST VALUES OF SIX ORGANOPHOSPHORUS PESTICIDES RESOLVED BY THIN-LAYER CHROMATOGRAPHY IN THE PRESENCE OF PLANT EXTRACTS WITHOUT ELABORATE CLEAN-UP.
C E Mendoza P J Wales D F Bray
Analyst 93(1111):688-690
Oct 1968 382 AN1
Azinphosmethyl, Carbophenothion, Chromatography, Diazinon, Ethion, Malathion, Mevinphos, Organophosphorus compounds, Parathion, Pesticides, Plant extracts, Plant translocation, Statistical analysis.

2454-69
CRITICAL STUDY OF A NEW DEVICE FOR GIBBERELLIN DOSAGE BY THE ELONGATION OF THE OAT STEM. (FR)
B Montuelle D Ochin
Soc Franc Physiol Veg Bull 13(2):141-153
May 1967 451 SO193
Assay, Dosage, Equipment, Gibberellins, Oats, Plant biochemistry, Plant hormones, Plant physiology. English summary.

2455-69
CROP RESPONSE TO APPLIED ZINC IN AMMONIATED PHOSPHATE FERTILIZERS.
J J Mortuedt
J Agr Food Chem 16(2,MAR-APR):241-245 REF
1968 381 J8223
Ammonia, Corn, Ethylenediaminetetraacetic acid, Fertilizers, Oxides, Phosphates, Plant biochemistry, Plant physiology, Sulfates, Zinc.

2456-69
CHARACTERISTICS OF IN VITRO PROTEIN SYNTHESIS SYSTEMS FROM RHIZOCTONIA SOLANI AND SCLEROTIUM BATATICOLA.
T G Obrig J Cerna D Gottlieb
Phytopathology 59(2):187-192 REF
Feb 1969 464.8 P56
Antibiotics, Fungi, Inhibitors, Mycelium, Plant physiology, Protein synthesis, Rhizoctonia solani, Ribosomes, Sclerotium bataticola.

2457-69
EPOXIDATION OF ALDRIN BY PLANT MATERIALS.
P C Ploffs
Diss Abstr Sect B 29(3):1053B-1054B
Sep 1968 Z5055.U49D53
Aldrin, Biochemistry, Cyclodiene, Enzymes, Insecticides, Microsomes, Oxidation, Plant physiology, Temperature, Tissue culture. Six crops were tested.

2458-69
PLANT TREATMENT IN RELATION TO THE RHIZOSPHERE EFFECT. II. FOLIAR APPLICATIONS OF CERTAIN CHEMICALS AND ANTIBIOTICS IN RELATION TO THE RHIZOSPHERE MICROFLORA OF RICE (ORYZA SATIVA L.).
T K R Reddy
Plant Soil 29(1):102-113 REF
Aug 1968 450 P696
Antibiotics, Chemical control (pests), Foliar application, Plant biochemistry, Rhizosphere, Rice, Roots, Substrates.

2459-69
EFFECT OF TRIFLURALIN ON GROWTH OF SCLEROTIUM ROLFSII IN LIQUID CULTURE AND SOIL.
R Rodriguez-Kabana E A Curl H H Funderburk
Phytopathology 59(2):228-232 REF
Feb 1969 464.8 P56
Culture media, Herbicides, Mycelium, Plant growth inhibitors, Plant physiology, Sclerotium rolfsii, Soil fungi, Soil hydrogen-ion concentration, Trifluralin.

2460-69
BIOLOGICAL ACTIVITY OF PA-X, A PLANT REGULATOR FROM BEAN SEEDS.
M Sachs
Diss Abstr Sect B 29(7):2320B
Jan 1969 Z5055.U49D53
Beans, Enzymes, Plant physiology, Plant regulators, Seed germination.

CHEMISTRY

2461-69
DEGRADATION OF MONOSODIUM METHANEARSONIC ACID BY SOIL MICROORGANISMS.
D W Von Endt P C Kearney D D Kaufman
J Agr Food Chem 16(1,JAN-FEB):17-20 REF
1968 381 J8223
Biochemistry, Decomposition, Herbicides, Monosodium acid methanearsonate, Plant physiology, Soil microorganisms, Sorghum halepense.

2462-69
EFFECT OF 2,4-D AND UREA SPRAYS ON YIELD AND FRUIT QUALITY OF BALADY ORANGES.
Z Zidan S Mahmoud I Shawky
An Agr Sci 10(2):297-318 REF
Dec 1965 24 AN72
Crop yields, D, 2,4-, Oranges, Plant biochemistry, Plant physiology, Spraying, Urea.

2463-69
LISTING OF COLOR ADDITIVES FOR FOOD USE EXEMPT FROM CERTIFICATION; LISTING OF COLOR ADDITIVES FOR DRUG USE EXEMPT FROM CERTIFICATION. COCHINEAL EXTRACT.
R E Duggan
Fed Regist 33(243):18577-18578
14 Dec 1968 L1.451
Chemistry, Cochineal, Color, Drugs, Dyes, Extracts, Food additives, Legislation.

2464-69
OMEGA, A USEFUL INDEX OF SOIL SORPTION EQUILIBRIA.
S M Lambert
J Agr Food Chem 16(2,MAR-APR):340-343
1968 381 J8223
Chemicals, Measurement, Pesticide application, Soil adsorption.

2465-69
SIMPLIFIED METHOD OF PREPARING COLUMN MATERIALS FOR GASLIQUID CHROMATOGRAPHIC SEPARATION OF SOME PESTICIDES.
C E Mendoza K A McCully P J Wales
Anal Chem 40(14):2225-2227 REF
Dec 1968 381 J825A
Chemical reactions, Chemistry, Chlorinated hydrocarbons, Chromatography, Methodology, Organophosphorus compounds, Pesticides.

2466-69
ADSORPTION OF 3-AMINOTRIAZOLE BY MONTMORILLONITE.
J D Russell M I Cruz J L White
J Agr Food Chem 16(1,JAN-FEB).21-24 REF
1968 381 J8223
Amitrole, Infrared spectra, Montmorillonite, Pesticides, Soil adsorption.

2467-69
EFFECT OF PENICILLIN ON THE COMPOSITION OF AMINO SUGARS IN ACID-SOLUBLE FRACTION AND MUCOPEPTIDES FROM BACILLUS SUBTILIS. (RUS)
L I Torbochkina I N Navolneeva
Biokhimiya 32(4):705-710 REF
1967 385 B523
Amino sugars, Bacillus subtilis, Glucosamine, Mucus, Penicillins, Peptides. English summary.

ENGINEERING

2468-69
A PORTABLE INSTRUMENTED TOWER FOR USE IN METEOROLOGICALLY RELATED RESEARCH.
C B R hburn A F Miserocchi
J Econ Entomol 62(1):149-154
17 Feb 1969 421 J822
Equipment, Insect control, Meteorology, Research, Temperature.

2469-69
AN ACCURATE AND SAFE HAND-OPERATED, VEHICLE-MOUNTED APPLICATOR FOR GRANULAR INSECTICIDES IN SEED ORCHARDS.
H O Yates W G Lewis
J Econ Entomol 62(1):246-248
17 Feb 1969 421 J822
Chemical control (insects), Dosage, Equipment, Insecticide application, Insecticides, Orchards, Phorate, Rhyacionia, Seeds.

2470-69
COATED CELERY SEED AIDS MECHANIZATION EFFORTS.
F W Zink
Calif Agr 21(8):4-5
Aug 1967 100 C12CAG
Bentonite, Celery, Mechanization, Seed planting, Seeds.

ABDOMEN
Developmental performance of embryonic blastemas of Drosophila after culture in the adult host. 1977

ABIES FRASERI
Annotated list of insects infesting bark and wood of Fraser fir. 2200

ABNORMALITIES
Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090

Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312

ABORTION
Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. 2294

Leptospiric abortion pathogenia in sows. 2295

Immunity in ewes resulting from natural exposure to Vibrio fetus. 2321

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

Experiments for liquidating abortions in ewes on sheep farms with abortions. 2330

ABSORPTION
The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

ACANTHOLYDA CIRCUMCINCTA
Record of Acantholyda circumcincta (Hymenoptera: Pamphiliidae) in Florida. 2210

ACARICIDES
Inheritance of resistance to organophosphorus acaricides in the cattle tick, Boophilus microplus. 2092

ACARINA
A remarkable tick found on a tarsier (Heterocoptidae f. n.:Sarcoptiformes). 1957

ACER RUBRUM
The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae). 2015

ACER SACCHARINUM
The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae). 2015

ACETIC ACID
Scorpion preservation for taxonomic and morphological studies. 2070

ACETYLCHOLINE
Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

ACRIDIDAE
The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930

A note on the outbreak of the Bombay locust, Patanga succinctal, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967. 1939

Geographical variation in Paprides nitidus (Hutton) (Orthoptera: Acrididae). 2028

Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088

ACRIDOIDEA
Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species. 2095

ACRONYCTA RUMICIS
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975). 1967

ACRYLAMIDE
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae. 2046

ACTINOMYCIN D
The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster. 1979

ADELGES PICEAE
Annotated list of insects infesting bark and wood of Fraser fir. 2200

ADENOCARCINOMA
Two cases of epithelial malignancy in salientia. 2288

ADIPOSE TISSUE (ANIMALS)
Fatty tissue biopsy in pigs. 2299

ADRENAL GLANDS
Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines. 2433

ADSORPTION
Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks. 2339

AEDES AEGYPTI
An automated repellency-assay system. II. A new electronic bitometer-timer. 1861

Competitive mating tests between normal and aspermic male house flies. 2035

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098

AEDES STIMULANS
Histopathology of the developing reproductive system of Aedes stimulans (Walker) (Diptera: Culicidae) under thermal stress. 2026

Organogenesis of the female reproductive system of an aedine mosquito. 2038

AEDES TAENIORHYNCHUS
Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. I. Laboratory experiments. 2003

Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. II. Experiments related to transmission in nature. 2004

AEGERIIDAE
The North American Aegeriidae (Lepidoptera): A revision based on late-in tar larvae. 1893

AELIA ROSTRATA
Morphology of the head capsule of Aelia rostrata Boh. (Hemiptera: Pentatomidae). 2051

AERIAL INSECT CONTROL
Aerial applications of PIB-7 and malathion to suppress populations of Anastrepha suspensa. 2234

AERIAL SPRAYING
Arsenal for disease control. 2115

AEROCHOREUTES
Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088

AFLATOXIN
Moldy feeds pose hazard. 2277

Aflatoxin metabolism by liver microsomal preparations of two different species. 2332

AFRICAN OILPALM
Evaluation of fungicides for use against Marasmius palmivorus on oil palms. 2191

AGGLUTINATION
Mechanism of the ring forming in the ABR test. 2274

Serological differentiation of mycoplasma in swine. 2338

AGGLUTINATION TEST
Mechanism of the sediment forming in the agglutination test performed with Brucella abortus suspension. 2275

Serological survey on the Rickettsioses in dromedary in Chad. 2319

AGING
Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster. 2068

The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179

Coccidiosis in wild rabbits, Oryctolagus cuniculus (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit. 2343

AGRICULTURAL LEGISLATION
Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405

AGRICULTURAL PRODUCTS
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments. 2389

Notice of filing of petition regarding pesticide chemicals. 2390

Notice of filing of petition regarding pesticide chemicals. 2391

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408

Notice of filing of petition regarding pesticide chemicals. 2410

Notice of filing of petition regarding pesticide chemicals. 2411

Notice of filing of petition regarding pesticide chemicals. 2412

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416

AGRICULTURAL REGULATION

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram.
2417

AGRICULTURAL REGULATION
Preliminary results of attempts to form the advisory board for integrated plant protection.
2113

Domestic quarantine notices. Cereal leaf beetle.
2201

Domestic quarantine notices. Witchweed. Regulated areas.
2259

AGROBACTERIUM TUMEFACIENS
Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

Kinetin-like substances produced by plant tumors.
2125

An incidence of the effect of glycine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

AGROTIS ORTHOGONIA
Laboratory evaluation of several new insecticides for control of the pale western cutworm.
2012

AIR POLLUTION
Air pollution damage to chrysanthemum foliage.
2387

AIR SACULITIS
Research on diseases of poultry.
2331

ALCOHOLS
Scorpion preservation for taxonomic and morphological studies.
2070

ALDEHYDES
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

ALDOSTERONE
The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

ALDRIN
Linkage studies of aldrin resistance in Blattella germanica (L.).
2011

Notice of filing of petition regarding pesticide chemicals.
2392

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

Epoxidation of aldrin by plant materials.
2457

ALFALFA
On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids.
2045

Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.
2133

Nodulation of Medicago sativa in solution culture. III Effects of nitrate on root hairs and infection.
2157

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover
2222

Selective herbicides control weeds in lucerne at Cowra.
2262

The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding.
2323

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

ALLELES
Brain cholinesterase activity and its inheritance in cattle tick (Boophilus microplus) strains resistant and susceptible to organophosphorus acaricides.
2093

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

ALLERGENS
An experimental study of the allergen-specific-enzymatic factor . II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.
2322

ALLETHRIN
Notice of filing of petition regarding pesticide chemicals.
2412

ALLIUM FISTULOSUM
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

ALPHITOBIUS DIAPERINUS
On the morphology and the bionomies of the insects of economic importance. II. Head appendages in Alphitobius diaperinus (Panz.) (Tenebrionidae, Coleoptera).
2043

Head capsule of Alphitobius diaperinus (Panz.) (Tenebrionidae-Coleoptera).
2044

ALTERNARIA LONGIPES
Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

ALUMINUM
Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.
2264

ALYDIDAE
A unique female specimen from upper Burma: A new genus and species of Micrelytrinae (Hemiptera: Alydidae).
1863

AMBLYOMMA VARIEGATUM
Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

AMIDES
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

AMINES
Aliphatic amines against insecticide-susceptible and resistant strains of Culex pipiens quinquefasciatus and Anopheles albimanus.
1968

Control of weeds in wheat crop by 2,4-D.
2260

Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

AMINO ACIDS
Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae.
1993

Inhibition of growth of Bacillus thuringiensis by amino acids in defined media.
2050

Some observations on chemoreception in the antennae of the centipede, Scolopendra subspinipes Leach (Mandibulata-Chilopoda).
2062

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.
2273

AMINO SUGARS
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from Bacillus subtilis.
2467

AMITROLE
Adsorption of 3-aminotriazole by montmorillonite.
2466

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2050

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2455

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2137

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2138

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The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

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Two cases of epithelial malignancy in salientia.
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2351

Food additives permitted in food for human consumption. Tylosin.
2407

ANIMAL ECOLOGY
Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

ANIMAL HISTOLOGY
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2283

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Notice of opportunity for hearing regarding medicated animal feeds.
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2273

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2187

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Concerning the larva migrans visceralis of Ascaris lumbricoides in the experimental host (mice).
2360

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

ASCARIS LUMBRICOIDES SUUM
Immunological studies on experimental ascariasis.
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On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide.
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Biology of the robber fly Eutolmus rufibarbis Mg. (Diptera, Asilidae) in Khabarovsk Territory.
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2381

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Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

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Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

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ASPERGILLUS FUMIGATUS
Moldy feeds pose hazard.
2277

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2381

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2454

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Several factors affecting adsorption of atrazine and diphenamid by soils.
2386

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1919

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2167

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Inheritanee of crown rust resistance in Avena sterilis.
2108

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A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses.
2337

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Procedurc for semi-quantitativc confirmation of some organophosphorus pestieide residues in plant extracts.
2426

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2277

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BACTERIAL BLIGHT
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2183

BACTERIAL CANKER
Bacteriophage labeling of Pseudomonas syringae.
2134

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Inhibition of growth of Bacillus thuringiensis by amino acids in defined media.
2050

BACTERIAL DISEASES (PLANTS)
Bacterial fruit rot of watermelon in Florida.
2130

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2134

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2130

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2135

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2245

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2243

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2170

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2449

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2357

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2323

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2042

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2239

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Coated celery seed aids mechanization efforts.
2470

BENZENE
Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.
2371

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

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Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera: Curculionidae).
2207

The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock.
2402

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

BIOLOGICAL CONTROL (INSECTS)
Report of third work conference on the use of nuclearpolyhedrosis virus for control of Heliothis species.
1934

The acclimatization of Zonabris variabilis Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction.
1946

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1947

The control of some species of pest insects by Bacillus thuringiensis.
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1975

Development and perspectives of biological control.
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1978

Artificial sex pheromones for the codling moth.
2014

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A laboratory evaluation of baits and chemosterilants on the little house fly.
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An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

Fluctuations in the population of Schizolachnus piniradiatae (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967.
2048

Chambers for incubating individual insect eggs and egg parasites.
2054

Automated sexing of pupae and its usefullness in control by sterile insects.
2097

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

Male boll weevils are more attractive than cotton plants to boll weevils.
2217

The feeding behavior and biology of Paraponematus acaciae (Acarina: Tydeidae).
2225

Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
2231

BIOLOGICAL CONTROL (PESTS)
Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962.
2105

BIOLOGICAL CONTROL (PLANT DISEASES)
The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection.
2142

BIOLOGICAL CONTROL (WEEDS)
Apion seed weevil introduced for biological control of Scotch broom.
2254

BIOLOGICAL TRANSPORT
32P and 35S transfer from susceptible wheat to Erysiphe graminis f. sp. tritici during primary infection.
2156

BIOLOGY
Potato tuber eelworm.
2249

Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

Bats in California.
2357

BIOPSY
Fatty tissue biopsy in pigs.
2299

BIOSYNTHESIS
Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

BIRDS
Arthropod parasites on the starling, Sturnus vulgaris L., in southwest Virginia.
2356

Residues of organochlorine insecticides in dead birds in the United Kingdom.
2422

BIRDSFOOT TREFOIL
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

BLACKBERRIES
Comparison of herbicides and times of spraying for the control of blackberry (Rubus fruticosus).
2258

BLATTELLA GERMANICA
Baygon in field tests against German cockroaches.
1935

A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches Blattella germanica (Linnaeus).
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BLATTIDAE
Linkage studies of aldrin resistance in Blattella germanica (L.).
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BLOAT
Tympanol. Drugs for veterinary use; drug efficacy study implementation.
2315

BLOOD
Metabolism of blood proteins in hens during natural and artificial moulting.
2310

BLOOD CELLS
Effect of the venom of the bee Apis mellifera on osmotic fragility of cattle RBC.
2434

BLOOD COAGULATION
Vetistat. Drugs for veterinary use - drug efficacy study implementation.
2272

BLOOD TESTS
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

An association between serum amylase phenotype and tick infestation in cattle.
2353

BLOOD VESSELS
Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

BLUE COMB
Research on diseases of poultry.
2331

BLUEBERRIES
Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

BLUETONGUE
Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

BOMBUS
Investigation into the appearance of the three castes in the bumblebee colony.
2040

BOMBYX MORI
The free amino acid pattern in tissues of silkworm during development.
2049

BONE MARROW
Effects of whole-body irradiation on baby pigs (Sus scrofa).
2283

BOOPHILUS MICROPLUS
The structure of the spiracles of the cattle tick, Boophilus microplus.
1982

Inheritance of resistance to organophosphorus acaricides in the cattle tick, Boophilus microplus.
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Brain cholinesterase activity and its inheritance in cattle tick (Boophilus microplus) strains resistant and susceptible to organophosphorus acaricides.
2093

An association between serum amylase phenotype and tick infestation in cattle.
2353

BORAX
Trapping for control of the Mexican fruit fly in mango and citrus groves.
1924

BORON
Notice of filing of petition regarding pesticide chemicals.
2410

BRACONIDAE
A contribution to the knowledge of the Braconidae of Spain. I. New discoveries of genera and species.
1877

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

BRADYSIA
Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

BRAIN
The embryonic development of the brain in paurometabolic insects. A study on Carausius morosus and Periplaneta americana.
2007

Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

BRASSICA
Studies of the ecology of the cabbage aphid (Brevicoryne brassicae (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.
2219

BREEDING
Competitive mating tests between normal and aspermic male house flies.
2035

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory
2098

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
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Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).
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BREVICORYNE BRASSICAE
Studies of the ecology of the cabbage aphid (Brevicoryne brassicae (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.
2219

A new biotype of cabbage aphid (Brevicoryne brassicae (L.)) on aphid resistant rape (Brassica napus L.).
2220

BROADBEANS
Purification and properties of broad bean wilt virus.
2189

BROMACIL
Thin-layer chromatography of bromacil residues in soils.
2401

BROMIDES
AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

Bromide residues from methyl bromide fumigation of food commodities.
2399

BROMOPHOS
Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (Trifolium repens L.).
2440

BROWN ROT
Contribution to the application method for fungicides to control potato blight.
2128

The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

BROWN SPOT
Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

BRUCELLA
Mechanism of the ring forming in the ABR test.
2274

An experimental study of the allergen-specific-enzymatic factor . II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.
2322

BRUCELLA ABORTUS
Mechanism of the sediment forming in the agglutination test performed with Brucella abortus suspension.
2275

Coenzyme Q10 in Brucella abortus Bang.
2345

BUFFER SUBSTANCES
Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

BUILDINGS
Baygon in field tests against German cockroaches.
1935

BUSHY STUNT
Proof of the presence of the tomato bushy stunt virus in grape tendrils.
2120

CADMIUM
Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

CADRA CAUTELLA
Temporal distribution of Tribolium castaneum Herbst and Cadra cautella Walker on temperature gradients.
1917

CALCIUM
The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism.
2341

CALLIPHORA STYGIA
Developmental changes in the late larva of Calliphora stygia. I. Haemolymph.
1998

CALVES
Salmonella infection in calves and other animals. II. Comparison of selective media.
2325

A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna).
2359

CAMELS
Presence of antibodies against Rinderpest in dromedary in Chad.
2318

Serological survey on the Rickettsioses in dromedary in Chad.
2319

CAMPOPLEX HAYWARDI
Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
2029

CANDIDA ALBICANS
Establishment and treatment of cutaneous Candida albicans infection in the rabbit.
2316

CANINE DISTEMPER
The pathogenesis of experimental distemper in mice.
2350

CANINE HEPATITIS VACCINES
Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.
2298

CANKER
Comandra rust damage to ponderosa pine in Oregon and Washington.
2104

CAPSELLA BURSA-PASTORIS
Selective herbicides control weeds in lucerne at Cowra.
2262

CARAUSIUS MOROSUS
The embryonic development of the brain in paurometabolic insects. A study on Carausius morosus and Periplaneta americana.
2007

CARBAMATES
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

CARBARYL
Biotic factors involved in crucifer aphid outbreaks following insecticide application.
2039

The effects of IPC, CIPC, Sevin and Zectran on Bacillus subtilis.
2132

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR).
2238

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.
2398

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

CARBOHYDRATES
Developmental changes in the late larva of Calliphora stygia. I. Haemolymph.
1998

Some observations on chemoreception in the antennae of the centipede, Scolopendra subspinipes Leach (Mandibulata-Chilopoda).
2062

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

CARBON
Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

CARBON DIOXIDE
The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster.
1979

CARBON DISULFIDE
Reduction in mortality of peach trees following preplant soil fumigation.
2103

CARBOPHENOTHION
Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

CARCASSES
Leucosis in swine as a finding from carcass inspection.
2281

Fatty tissue biopsy in pigs.
2299

CARCINOGENS
Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

CARPOCAPSA POMONELLA
Isolation of a sex pheromone of the codling moth.
2013

Artificial sex pheromones for the codling moth.
2014

CARROTS
Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

CASEIN
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.
2273

Metabolism of blood proteins in hens during natural and artificial moulting.
2310

Collagenolytic activity of snake and spider venoms.
2435

CASTORBEANS
A technique for evaluating varietal resistance of castor to castor jassid (Empoasca flavescens Fabricius).
2232

CATALOGS
New Old World genera of the Eurygeniini (Coleoptera: Anthicidae).
1862

The distribution of ants in central southern England.
1867

The Chironomidae of Florida. II. The nuisance species.
1868

As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna.
1870

Strepsiptera from the Mississippi coast.
1888

New species of horn mites (Acariformes, Aribatei) from the Caucasus and Transcaucasia.
1889

New species of the Sarcophaga Meigen genus (Fam. Sarcophagidae, Diptera).
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1894

A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia.
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1904

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1911

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1958

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1959

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids.
2045

CATECHOL
Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

CATERPILLARS
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975).
1967

The feeding of the mole cricket and its effect on outbrecks and control.
1973

CATS
Infectious peritonitis in cats.
2351

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.
2371

Sparganosis in a cat.
2376

CATTLE
Influence of moisture content of bovine feces on oviposition and development of the face fly.
1927

Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat.
2282

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

Contagious bovine pleuropneumonia, its treatment and control.
2286

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.
2324

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle.
2326

Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle.
2346

An association between serum amylase phenotype and tick infestation in cattle.
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A study of immunological reactions in bovine fascioloidiasis (Fasciloides magna).
2359

Notice of filing of petition regarding pesticide chemicals.
2392

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2393

The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock.
2402

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules.
2424

Improved method for determination of sulfonamides in milk and tissues.
2425

Effect of the venom of the bee Apis mellifera on osmotic fragility of cattle RBC.
2434

CAULIFLOWER
On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

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Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes on its biology.
2002

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

CELERY
Coated celery seed aids mechanization efforts.
2470

CELL NUCLEUS
Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster.
2068

Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae).
2096

CELL WALL
Effects of estrogens on aortic connective tissue of turkeys.
2269

CELLS
The presence waxes in two kinds of lac cells.
2006

The influence of the genotype on cell affinities in combinations of imago organisms of Drosophila melanogaster.
2079

Host resistance responses- an induction hypothesis.
2139

Ear removal and cell death rate in corn stalk tissue.
2163

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

CENTRAL NERVOUS SYSTEM
The early effects of low DDT doses on the nervous system in animal experiments.
2428

CEPHALOSPORIUM GREGATUM
Resistance to brown stem rot in soybeans.
2102

CERAMBYCIDAE
New longicorns of the Museum of Natural History at Geneva.
1872

Notes on cerambycinae (Col. Cerambycidae).
1896

CERATOBASIDIUM
The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuehn.
2451

CERATOCYSTIS ULMI
Dutch elm disease found in Idaho.
2164

Dutch elm disease detected in Mississippi.
2195

CERCOSPORA COFFEICOLA
Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen.
2186

CEREAL LEAF BEETLE
Domestic quarantine notices. Cereal leaf beetle.
2201

CEROPLASTES FLORIDENSIS
An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

CEROPLASTES RUSCI
An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

CESIUM ISOTOPES
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

CESTODA
Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.
2371

Sparganosis in a cat.
2376

CHALCIDIDAE
Euderomphalus clavicornis Thoms. (Hymenoptera, Chalcididae) found in Finland.
1883

CHALCIDOIDEA
New Mymaridae (Hymenoptera, Chalcidoidea) fauna for Finland.
1881

CHAOBORUS PUNCTIPENNIS
Environmental factors regulating the diurnal vertical migration of Chaoborus larvae.
2000

CHELONETHIDA
First reports on the ultrastructure of the alimentary canal of a pseudoscorpion.
1921

CHEMICAL CONTROL (INSECTS)
Vacuum cleaner for use with granular applicators in fieldplot work.
1858

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

Pre-bloom oil sprays for European red mite control.
1932

Baygon in field tests against German cockroaches.
1935

Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique.
1947

The control of some species of pest insects by Bacillus thuringiensis.
1953

Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965.
1960

A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches Blattella germanica (Linnaeus).
1965

Aliphatic amines against insecticide-susceptible and resistant strains of Culex pipiens quinquefasciatus and Anopheles albimanus.
1968

The feeding of the mole cricket and its effect on outbrecks and control.
1973

Laboratory evaluation of several new insecticides for control of the pale western cutworm.
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Laboratory and field evaluation of larvicides against chironomid midges.
2018

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations.
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Sampling to detect economic infestations of Limonius spp.
2022

A laboratory evaluation of baits and chemosterilants on the little house fly.
2027

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.
2031

Effects of apholate on the alfalfa weevil.
2053

Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, Prodenia litura F. under field conditions.
2073

Scientists attack corn borer.
2202

A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera: Curculionidae).
2207

Chemical control of mango hoppers (Idiocerus spp.).
2211

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control.
2227

Insecticidal control of the sugarcane borer in corn.
2229

Aerial applications of PIB-7 and malathion to suppress populations of Anastrepha suspensa.
2234

Whole town treatment for fruit fly control.
2236

Method of controlling and eradicating mites. Patent 3,427,385.
2237

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR).
2238

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

Residues in pasture following application of a granular heptachlor preparation.
2403

Notice of filing of petition regarding pesticide chemicals.
2412

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

CHEMICAL CONTROL (NEMATODES)
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Nebraska root-gall nematode of sugar beets.
2253

CHEMICAL CONTROL (PESTS)
Campaign against stored grain pests in villages of IADP District Ludhiana.
2382

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

CHEMICAL CONTROL (PLANT DISEASES)
Contribution to the application method for fungicides to control potato blight.
2128

Chemical control of scab on citrus in Florida.
2136

Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

Effect of dimethyl sulfoxide on tobacco mosaic.
2165

Epidemiology and prevention of bacterial blight disease of rice in India.
2183

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

CHEMICAL CONTROL (WEEDS)
Nebraska root-gall nematode of sugar beets.
2253

Progress report on Johnsongrass control in orchards.
2256

Comparison of herbicides and times of spraying for the control of blackberry (Rubus fruticosus).
2258

Control of weeds in wheat crop by 2,4-D.
2260

Selective herbicides control weeds in lucerne at Cowra.
2262

Notice of filing of petition regarding pesticide chemicals.
2411

Notice of filing of petition regarding pesticide chemicals.
2413

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
2415

CHEMICAL INDICATORS
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377.
2265

CHEMICAL REACTIONS
Degradation of DDT in Atlantic salmon (Salmo salar).
2400

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides.
2465

CHEMICALS
Artificial sex pheromones for the codling moth.
2014

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments.
2389

Notice of filing of petition regarding pesticide chemicals.
2391

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2392

Notice of filing of petition regarding pesticide chemicals.
2393

Notice of filing of petition regarding pesticide chemicals.
2395

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Biochemical transformations of pesticides by soil micro-organisms.
2397

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole.
2409

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
2415

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram.
2417

Omega, a useful index of soil sorption equilibria.
2464

CHEMISTRY
Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides.
2465

CHEMORECEPTORS
Some observations on chemoreception in the antennae of the centipede, Scolopendra subspinipes Leach (Mandibulata-Chilopoda).
2062

CHEMOSTERILANTS
Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique.
1947

A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl)

phosphine oxide, used to sterilize German cockroaches Blattella germanica (Linnaeus).
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Effects of apholate on the alfalfa weevil.
2053

CHERIMOYA
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

CHERRIES
Investigations concerning ringspot virus disease of the cherry. III. Serological investigations.
2168

CHICK EMBRYOS
A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses.
2337

CHICKENS
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid.
2268

Experimental Pasteurella multocida infection in chickens exposed to cold: Biochemical and bacteriological investigations.
2301

Metabolism of blood proteins in hens during natural and artificial moulting.
2310

Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

The effect of dimethialium on experimental chicken coccidosis.
2377

CHICKS
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.
2273

Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.
2311

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.
2334

CHIRONOMIDAE
The Chironomidae of Florida. II. The nuisance species.
1868

Laboratory and field evaluation of larvicides against chironomid midges.
2018

The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

CHIRONOMUS THUMMI
The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

CHITIN
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

CHLORIDES
Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride.
2362

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

CHLORINATED HYDROCARBONS
The residual contact toxicity to honey bees of insecticides sprayed on to white clover (Trifolium repens L.) in the laboratory.
1942

Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Residues of organochlorine insecticides in dead birds in the United Kingdom.
2422

The early effects of low DDT doses on the nervous system in animal experiments.
2428

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides.
2465

CHLORINE
Saprozoic nematodes transmit Streptomyces phage.
2245

CHLORO-1-(2,4,5-TRICHLOROPHENYL) VINYL DIMETHYL PHOSPHATE,2-
Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

CHLOROGENIC ACID
Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

CHLOROPHYLLS
DDT resistance in barley, Hordeum vulgare- I. Induced mutants for resistance.
2114

CHLOROSIS
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

CHLOROXURON
Selective action of chloroxuron on soybean and morningglory.
2448

CHLORTETRACYCLINE
Notice of opportunity for hearing regarding medicated animal feeds.
2270

Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.
2311

CHOLINESTERASES
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

Brain cholinesterase activity and its inheritance in cattle tick (Boophilus microplus) strains resistant and susceptible to organophosphorus acaricides.
2093

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

CHORISTONEURA OCCIDENTALIS
Distribution of hibernating larvae of the western budworm, Choristoneura occidentalis, on Douglas-fir in Colorado.
2226

CHROMATOGRAPHY
Comparative chromatographic investigations of Arthropod cocoons.
1931

Separation of the free ninhydrin-positive fractions in Phormia and Drosophila using two-dimensional high voltage electrophoresis.
1940

Studies on the physiology of the fat body of Pyrrhocoris apterus L.
2008

Isolation of a sex pheromone of the codling moth.
2013

Isolation of the population aggregating pheromone of the southern pine bettle.
2033

Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

Studies on the attack behavior of the southern pine bettle. IV. Influence of host condition on aggregation pattern.
2064

Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in Drosophila melanogaster.
2075

Biochemical studies on Sclerotium rolfsii Sacc.
2144

Chemical and biological properties of phytotoxic glycopeptides isolated from Corynebacterium michiganense.
2167

Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

Several factors affecting adsorption of atrazine and diphenamid by soils.
2386

Notice of filing of petition regarding pesticide chemicals.
2390

Notice of filing of petition regarding pesticide chemicals.
2392

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

Thin-layer chromatography of bromacil residues in soils.
2401

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

Residues of organochlorine insecticides in dead birds in the United Kingdom.
2422

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

Selective action of chloroxuron on soybean and morningglory.
2448

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides.
2465

CHROMATOPHORES
Experimental investigation into the physiological change in color of Hirudinea.
2375

CHROMOSOMES
Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster.
2074

Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in Drosophila melanogaster.
2075

Genetic and cytogenetic relationships among certain nearctic anophelines.
2083

CHRYSANTHEMUM

Relative fitness of a third chromosome inversion in Drosophila melanogaster.
2084

The taxonomy, cytology and genetics of genus Timarcha (Col. Cris). I. Karyotype of T. goettingensis L. ssp. catalaunensis Fairm..
2086

Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency.
2088

Embryonic developmental mutations of the nullosomies and tetrasomies of the third chromosome of Drosophila melanogaster.
2089

Autonomous pleiotropy in Drosophila.
2091

Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species.
2095

Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae).
2096

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

CHRYSANTHEMUM
On the incubation period of Puccinia horiana.
2197

Air pollution damage to chrysanthemum foliage.
2387

CHRYSANTHEMUM MORIFOLIUM
Wind dispersal of Puccinia horiana.
2196

CHRYSOMELIDAE
The taxonomy, cytology and genetics of genus Timarcha (Col. Cris). I. Karyotype of T. goettingensis L. ssp. catalaunensis Fairm..
2086

CHRYSOPA CARNEA
An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests.
2063

Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
2231

CHRYSOPS ATLANTICUS
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

CHRYSOPS FULIGINOSUS
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

CICADELLIDAE
Aphids and leafhoppers found on red clover in eastern Washington.
2221

CICADIDAE
Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae.
1876

CIODRIN
Notice of filing of petition regarding pesticide chemicals.
2393

CIRCOTETTIX
Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency.
2088

CITRUS
An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

Chemical control of scab on citrus in Florida.
2136

Effects of temperature on expression and transmission of stubborn disease of citrus.
2161

The feeding behavior and biology of Paraphonematus acaciae (Acarina: Tydeidae).
2225

Aphid populations in relation to tristeza in Florida citrus.
2235

Citrus-root nematode in Iran.
2246

Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole.
2409

CLAY MINERALS
Adsorption of some pesticides on soils, clay minerals and humic acid.
2420

CLAY SOILS
The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

Adsorption of some pesticides on soils, clay minerals and humic acid.
2420

CLIMATE
The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae).
2015

Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

CLOSTRIDIUM PERFRINGENS
Enterotoxaemia: Deadly disease of sheep.
2290

COBALT ISOTOPES
Selection methods for pathogenic forms of microorganisms.
1956

Effects of whole-body irradiation on baby pigs (Sus scrofa).
2283

COCCIDIOSIS
Coccidiosis in wild rabbits, Oryctolagus cuniculus (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit.
2343

The effect of dimethialium on experimental chicken coccidosis.
2377

COCCIDIOSTATS
Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.
2311

COCCINELLIDAE
Morphology of the head capsule and its appendages of Stenthorus gilvifrons Mulsant (Coleoptera: Coccinellidae).
2010

COCCUS HESPERIDUM
An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

COCHINEAL
Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

COCHLIOBOLUS CARBONUM
The identification of genes for pathogenicity in Cochliobolus carbonum.
2160

COCHLIOMYIA HOMINIVORAX
Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique.
1947

Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.
1980

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

COFFEA ARABICA
Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen.
2186

COFFEE
Effect of soil systemic insecticides on flavor and residue in coffee.
2423

COLD
Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.
1980

Experimental Pasteurella multocida infection in chickens exposed to cold: Biochemical and bacteriological investigations.
2301

COLEOPTERA
On the distribution of Coleoptera in the Tvarminne archipelago.
1912

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

The control of some species of pest insects by Bacillus thuringiensis.
1953

On the spiracles of the larvae of the suborder Myxophaga (Coleoptera).
1981

Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult.
2090

COLLAGEN
Collagenolytic activity of snake and spider venoms.
2435

COLLEMBOLA
A new Anurophorinid genus from northeast Brazil (Ins., Collembola).
1884

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids.
2045

The ecology of Sminthurus viridis (Collembola). II. Diapause in the aestivating egg.
2066

The ecology of Sminthurus viridis (L.)(Collembola). I. Processes influencing numbers in pastures in Western Australia.
2067

COLOR
The color change of Poecilimon ornatus Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae).
2017

Automated sexing of pupae and its usefullness in control by sterile insects.
2097

Researches concerning the toxoplasmosis identification and the toxoplasmic ahortion in the ovic cattle of Banat.
2294

Fatty tissue biopsy in pigs.
2299

Listing of color additives for food use exempt from certification; listing of color additives for

drug use exempt from certification. Cochineal extract.
2463

COLORIMETRY
Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation.
2446

COMMUNICATIONS
A comparative study of communication in grasshoppers.
2023

COMPETITION
The comparative ecology of two closely related, sympatric species of Dacus (Diptera) in Queensland.
1969

CONFERENCES
Report of third work conference on the use of nuclearpolyhedrosis virus for control of Heliothis species.
1934

CONIDIA
The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

CONIFERAE
Phytophthora cinnamomi Rands on conifers in New South Wales.
2121

CONJUNCTIVITIS
Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing aeridine orange and iodine stains, and isolation of Mycoplasma agents from infected sheep eyes.
2344

CONTAINERS
Modified container for study of photoperiodism.
1857

COPPER
Contribution to the application method for fungicides to control potato blight.
2128

CORN
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

Grain yield of corn reduced by maize dwarf mosaic virus infection.
2141

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

Ear removal and cell death rate in corn stalk tissue.
2163

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn.
2190

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt virus.
2206

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

Transmission of maize dwarf mosaic by the greenbug, Schizaphis graminum.
2214

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

Insecticidal control of the sugarcane borer in corn.
2229

Notice of filing of petition regarding pesticide chemicals.
2395

Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

CORN BORERS
Scientists attack corn borer.
2202

CORN EAR
Ear removal and cell death rate in corn stalk tissue.
2163

CORPORA ALLATA
Studies on the morphology of Lethocerus indicum Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata.
1929

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

CORPORA CARDIACA
Studies on the morphology of Lethocerus indicum Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata.
1929

CORTHYLUS COLUMBIANUS
The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae).
2015

CORYNEBACTERIUM MICHIGANENSE
Chemical and biological properties of phytotoxic glycopeptides isolated from Corynebacterium michiganense.
2167

COSTELYTRA ZEALANDICA
Flight and ground collection records of Costelytra zealandica (White) at a site in Canterbury, New Zealand.
1996

Oviposition preference by Costelytra zealandica (White). II.
1997

Effect of attack by Costelytra zealandica (White) larvae on ryegrass varieties.
2218

COTTON
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton, 1967.
1962

Population assessment of cotton bollworm in relation to pest control practices.
1974

Principles of crowding effect in Aphis gossypii Glover (Aphididae, Homoptera).
1975

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.
2031

Bacteriophage reactions and pathogenic spectra of Xanthomonas species to cotton.
2135

Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

Male boll weevils are more attractive than cotton plants to boll weevils.
2217

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control.
2227

Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
2231

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

COTTONSEED
Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Notice of filing of petition regarding pesticide chemicals.
2410

Notice of filing of petition regarding pesticide chemicals.
2413

COUMAPHOS
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

COXIELLA BURNETII
Serological survey on the Rickettsioses in dromedary in Chad.
2319

CREOSOTE
Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

CRICONEMOIDES
Reduction in mortality of peach trees following preplant soil fumigation.
2103

CROESIA SEMIPURPURANA
An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

CRONARTIUM COMANDRAE
Comandra rust damage to ponderosa pine in Oregon and Washington.
2104

CROP ROTATION
Nebraska root-gall nematode of sugar beets.
2253

CROP VARIETIES
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton, 1967.
1962

Resistance to brown stem rot in soybeans.
2102

Bacteriophage reactions and pathogenic spectra of Xanthomonas species to cotton.
2135

Grain yield of corn reduced by maize dwarf mosaic virus infection.
2141

Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants.
2145

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valticky variety, to some fungus diseases.
2170

Cucurbit virus studies in Hawaii.
2172

Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Additional sources of tolerance to oat crown rust.
2176

The rapid development and spread of strain B downy mildew of lima beans.
2198

Influence of the proliferation virus upon the quality and quantity of apple fruits.
2199

A boll weevil oviposition suppression factor in cotton.
2208

A technique for evaluating varietal resistance of castor to castor jassid (Empoasca flavescens Fabricius).
2232

Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

Air pollution damage to chrysanthemum foliage.
2387

CROP YIELDS
Diseases of sugarbeet in Arizona.
2112

Grain yield of corn reduced by maize dwarf mosaic virus infection.
2141

Additional sources of tolerance to oat crown rust.
2176

Downy mildew of sorghum in Georgia.
2182

Influence of the proliferation virus upon the quality and quantity of apple fruits.
2199

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

Control of weeds in wheat crop by 2,4-D.
2260

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

CROPS
A note on the outbreak of the Bombay locust, Patanga succinctal, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967.
1939

Certain minor crop pests hitherto unrecorded from the Gujarat state.
2025

An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests.
2063

Potato tuber eelworm.
2249

CROWN GALLS
Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

Kinetin-like substances produced by plant tumors.
2125

CROWN ROT
Phytophthora crown and root rot of hops in California.
2181

CROWN RUST
Inheritance of crown rust resistance in Avena sterilis.
2108

Additional sources of tolerance to oat crown rust.
2176

CRUCIFERAE
Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

CRYOLITE
Biotic factors involved in crucifer aphid outbreaks following insecticide application.
2039

CUCUMBERS
Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.
2127

Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona.
2159

Distribution of cucurbit viruses in Kansas.
2171

Cucurbit virus studies in Hawaii.
2172

CUCURBITA
Cucurbit virus studies in Hawaii.
2172

CULEX PIPIENS QUINQUEFASCIATUS
Aliphatic amines against insecticide-susceptible and resistant strains of Culex pipiens quinquefasciatus and Anopheles albimanus.
1968

CULICIDAE
Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. I. Laboratory experiments.
2003

Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. II. Experiments related to transmission in nature.
2004

Histopathology of the developing reproductive system of Aedes stimulans (Walker) (Diptera: Culicidae) under thermal stress.
2026

Organogenesis of the female reproductive system of an aedine mosquito.
2038

CULTURAL CONTROL (INSECTS)
Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

CULTURE MEDIA
Bacteriophage labeling of Pseudomonas syringae.
2134

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection.
2142

Nodulation of Medicago sativa in solution culture. III. Effects of nitrate on root hairs and infection.
2157

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

Salmonella infection in calves and other animals. II. Comparison of selective media
2325

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide.
2449

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

CUTICLE
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle.
1972

CYCLODIENE
Epoxidation of aldrin by plant materials.
2457

CYCLOHEXIMIDE
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

CYNIPIDAE
Some species of Pediobius Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls.
1864

CYTISUS SCOPARIUS
Apion seed weevil introduced for biological control of Scotch broom.
2254

CYTOGENETICS
Genetic and cytogenetic relationships among certain nearctic anophelines.
2083

The taxonomy, cytology and genetics of genus Timarcha (Col. Cris). I. Karyotype of T. goettingensis L. ssp. catalaunensis Fairm..
2086

Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species.
2095

Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae)
2096

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valticky variety, to some fungus diseases.
2170

CYTOLOGY
Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of Mycoplasma agents from infected sheep eyes.
2344

D, 2,4-
Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.
2127

Control of weeds in wheat crop by 2,4-D.
2260

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

DACUS NEOHUMERALIS
The comparative ecology of two closely related, sympatric species of Dacus (Diptera) in Queensland.
1969

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Hints on the permanent rearing of Daeus oleae Gmelin (Diptera, Tyrpetidae)in the laboratory.
1938

Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965.
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Adaptations to temperature in geographic races of the Queensland fruit fly Dacus (Strumeta) tyroni.
1926

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1969

The ecology of a natural population of the Queensland fruit fly, Daeus tryoni. I. The parameters of the pupal and adult populations during a single season.
2205

DAIRY CATTLE
Mechanism of the ring forming in the ABR test.
2274

Mechanism of the sediment forming in the agglutination test performed with Brucella abortus suspension.
2275

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow.
2296

Mastitis: Its causes and cure.
2328

Mycoplasma infection in a Wisconsin dairy herd.
2333

DALAPON
Progress report on Johnsongrass control in orchards.
2256

Notice of withdrawal of petition regarding pesticides.
2394

DATURA STRAMONIUM
An ineidenee of the effect of glycine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

DDT
Linkage studies of aldrin resistance in Blattella germanica (L.).
2011

DDT resistanee in barley, Hordeum vulgare- I. Induced mutants for resistanee.
2114

Chemical control of mango hoppers (Idioeerus spp.).
2211

Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.
2398

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

The effect of even or uneven applications of DDT prills to pasture on DDT residues in stoek.
2402

Behavior of DDT in potatoes during eommercial and home preparation.
2418

Adsorption of some pesticides on soils, elay minerals and humic acid.
2420

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).
2427

The early effects of low DDT doses on the nervous system in animal experiments.
2428

The effeet of DDT in the diet on the resting and loading eleetroeorticogram reeord.
2430

DECOMPOSITION
Degradation of monosodium methanearsonic aeid by soil microorganisms.
2461

DEFICIENCY DISEASES
Citrus-root nematode in Iran.
2246

DEFOLIANTS
Notice of filing of petition regarding pesticide chemicals.
2410

DEFOLIATION
Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

DEGENERATION
Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight museulature of the pupal-winged adult.
2090

DEGRADATION
Action of nicotine on neural transmission in the American cockroach (Periplaneta americana (L.)).
1963

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

DEMOGRAPHY
Temporal distribution of Tribolium eastaneum Herbst and Cadra eautella Walker on temperature gradients.
1917

The comparative ecology of two closely related, sympatric species of Dacus (Diptera) in Queensland.
1969

Aggregation of German cockroaeh (Blattella germanica) nymphs.
1988

The ecology of Sminthurus viridis (L.)(Collembola). I. Processes influencing numbers in pastures in Western Australia.
2067

The ecology of a natural population of the Queensland fruit fly, Daeus tryoni. I. The parameters of the pupal and adult populations during a single season.
2205

Effeet of attaek by Costelytra zealandica (White) larvae on ryegrass varieties.
2218

Studies of the eeology of the eabbage aphid (Brevicoryne brassicae (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.
2219

Population dynamies and pathogenicity of three species of Pratylenehus on peach.
2244

DENDROCTONUS BREVICOMIS
Isolation of the population aggregating pheromone of the southern pine bettle.
2033

DENDROCTONUS FRONTALIS
Studies on the attaek behavior of the southern pine bettle. II. Response to attractive host material.
1943

Studies on the attaek behavior of the southern pine bettle. III. Sequence of tree infestation within stands.
1966

Isolation of the population aggregating pheromone of the southern pine bettle.
2033

Studies on the attaek behavior of the southern pine bettle. IV. Influence of host condition on aggregation pattern.
2064

Inseet and host faetors in the aggregation of the southern pine beetle.
2065

DENDROCTONUS PSEUDOTSUGAE
Isolation of the population aggregating pheromone of the southern pine bettle.
2033

DENDROLIMUS PINI
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera eaterpillars. (TT 61-23975).
1967

DENSITY
Studies on the attaek behavior of the southern pine bettle. II. Response to attractive host material.
1943

Studies on the attaek behavior of the southern pine bettle. III. Sequenee of tree infestation within stands.
1966

DEOXYRIBONUCLEIC ACID
Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

Influenee of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster.
2068

Kineties of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

DERMACENTOR ALBIPICTUS
Biology and eolonization of the winter tiek in the laboratory.
1952

DERMESTIDAE
An old find of Entomotrogus megatomoides Rtt. (Coleoptera, Dermestidae) from Finland.
1913

DEVELOPMENT
Variations of nucleic acid content in the salivary glands of Drosophila hydei during late larval development.
1949

On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat Heteropeza pygmaea Winnertz 1846 (Diptera, Cecidomyiidae).
2030

Embryonic developmental mutations of the nullosomies and tetrasomies of the third chromosome of Drosophila melanogaster.
2089

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

Biochemical analysis of aphid saliva and its importance in gall development.
2233

DEW
Effects of simulated rain and dew on the toxicity of eertain ultra-low-volume insecticidal spray formulations.
2020

DIABROTICA VIRGIFERA
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

DIAGNOSIS
Fruit rot of papaya (Carica papaya L.) caused by Macrophomina phaseoli (Maubl). Ashby.
2143

DIAPAUSE

Dutch elm disease found in Idaho. 2164

Enterotoxaemia: Deadly disease of sheep. 2290

Lymphocytic thyroiditis in the dog. 2320

Mastitis: Its causes and cure. 2328

Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336

Hemangiosarcoma in a dog. 2342

DIAPAUSE
Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213

DIARRHEA
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

DIATRAEA SACCHARALIS
Insecticidal control of the sugarcane borer in corn. 2229

DIAZINON
A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera: Curculionidae). 2207

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

DIBROMO-3-CHLOROPROPANE, 1,2-
Reduction in mortality of peach trees following preplant soil fumigation. 2103

DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-
Degradation of DDT in Atlantic salmon (Salmo salar). 2400

Behavior of DDT in potatoes during commercial and home preparation. 2418

DICHLOROPHENE
Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372

DICHLOROPHENYL P-NITROPHENYL ETHER, 2,4-
Notice of filing of petition regarding pesticide chemicals. 2411

DICHLORVOS
Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (Trifolium repens L.). 2440

DIEBACK
Line pattern disease of raspberry. 2118

Dutch elm disease found in Idaho. 2164

Dutch elm disease detected in Mississippi. 2195

DIELDRIN
Notice of filing of petition regarding pesticide chemicals. 2392

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

DIET
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923

Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927

Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059

An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests. 2063

Pulmonary diseases of pig in Madagascar. 2335

The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430

Toxicity of fentin hydroxide to rats. 2431

DIETHYL 03,5,6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE, 0,0-
Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296

DIETHYLCARBAMAZINE
Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362

DIETHYLSTILBESTROL
Effects of estrogens on aortic connective tissue of turkeys. 2269

Notice of opportunity for hearing regarding medicated animal feeds. 2270

Control of rabies in wildlife in New York. 2329

DIHYDROTACHYSTEROL
Parterol, Drugs for veterinary use; drug efficacy study implementation. 2304

DIMBOA
Scientists attack corn borer. 2202

DIMETHOATE
Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965. 1960

DIMETHYALIUM
The effect of dimethialium on experimental chicken coccidosis. 2377

DIMETHYL PHOSPHATE
Notice of filing of petition regarding pesticide chemicals. 2393

DIMETHYL SULFOXIDE
Effect of dimethyl sulfoxide on tobacco mosaic. 2165

DIPHENAMID
Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415

DIPLODIA ZEAE
Ear removal and cell death rate in corn stalk tissue. 2163

DIPPING
Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands. 2354

DIPRIONIDAE
Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae). 1961

DIPTERA
Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and 1899

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.). 2071

DIROFILARIA IMMITIS
Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369

DISEASE CONTROL
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278

Control of rabies in wildlife in New York. 2329

DISEASE TRANSMISSION
Specificity of insect viruses. 1987

Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. I. Laboratory experiments. 2003

Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. II. Experiments related to transmission in nature. 2004

Transmission of equine sarcoid. 2348

DISOPHENOL
D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation. 2370

DISULFOTON
Effect of soil systemic insecticides on flavor and residue in coffee. 2423

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

DITHIAZANINE IODIDE
Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

DITYLENCHUS DESTRUCTOR
Potato tuber eelworm. 2249

DIURNAL RHYTHM
Environmental factors regulating the diurnal vertical migration of Chaohorus larvae. 2000

DOGS
The gross and microscopic changes in suhlethal staphylococcal alpha-toxin pancreatitis in dogs. 2276

Eczema and liver disease in dogs (hepatodermal syndrome). 2287

Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312

Lymphocytic thyroiditis in the dog. 2320

Hemangiosarcoma in a dog. 2342

Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

Caparsolate sodium. Drugs for veterinary use - drug efficaey study implementation.
2369

D.N.P. disophenol. Drugs for veterinary use - drug effieacy study implementation.
2370

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.
2371

DOLICHOPODIDAE
As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna.
1870

DOSAGE
Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965.
1960

A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches Blattella germaniea (Linnaeus).
1965

Laboratory evaluation of several new insecticides for control of the pale western cutworm.
2012

Effects of apholate on the alfalfa weevil.
2053

Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster.
2074

Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.
2127

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

Chemical control of mango hoppers (Idiocerus spp.).
2211

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

Effects of whole-body irradiation on baby pigs (Sus scrofa).
2283

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

Experiments for liquidating abortions in ewes on sheep farms with abortions.
2330

Effeets of DDT on brain electrical activity in awake, unrestrained rats.
2352

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

Toxicity of fentin hydroxide to rats.
2431

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

DOWNY MILDEW
Downy mildew of sorghum in Georgia.
2182

The rapid development and spread of strain B downy mildew of lima beans.
2198

DPA
Selective herbicides control weeds in lucerne at Cowra.
2262

DRAINAGE
The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

DROSOPHILA
Sex and selection for a quantitative character in Drosophila. II. The sex dimorphism.
2077

5-aminoacridine induced crossing over in the Drosophila male.
2082

DROSOPHILA HYDEI
Variations of nucleic acid content in the salivary glands of Drosophila hydei during late larval development.
1949

DROSOPHILA MELANOGASTER
Separation of the free ninhydrin-positive fractions in Phormia and Drosophila using two-dimensional high voltage electrophoresis.
1940

Developmental performance of embryonic blastemas of Drosophila after culture in the adult host.
1977

The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster.
1979

Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster.
2068

Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster.
2074

Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in Drosophila melanogaster.
2075

Sex and selection for a quantitative character in Drosophila. I. Single-sex selection.
2076

Aspects of RNA and protein synthesis in imaginal discs of Drosophila melanogaster.
2078

The influence of the genotype on cell affinities in combinations of imago organisms of Drosophila melanogaster.
2079

Genetic heterogeneity among the founders of laboratory populations of Drosophila melanogaster. II. Mating behaviour.
2081

Relative fitness of a third chromosome inversion in Drosophila melanogaster.
2084

Genetic heterogeneity among the founders of laboratory populations of Drosophila melanogaster. III. Sternopleural chaetae.
2085

Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in Drosophila melanogaster.
2087

Embryonic developmental mutations of the nullosomies and tetrasomies of the third chromosome of Drosophila melanogaster.
2089

Autonomous pleiotropy in Drosophila.
2091

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

DRUG THERAPY
Notice of opportunity for hearing regarding medicated animal feeds.
2270

Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

Establishment and treatment of cutaneous Candida albicans infection in the rabbit.
2316

Mastitis: Its causes and cure.
2328

Experiments for liquidating abortions in ewes on sheep farms with abortions.
2330

Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride.
2362

Hygromix (hygromycin B). Drugs for veterinary use, drug efficacy study implementation.
2364

The effect of dimethialium on experimental chicken coccidosis.
2377

The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

DRUGS
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid.
2268

Notice of opportunity for hearing regarding medicated animal feeds.
2270

P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficaey study implementation.
2271

Parterol, Drugs for veterinary use; drug efficacy study implementation.
2304

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

Dr. Mayfield ML-23. Drugs for veterinary use - drug efficacy study implementation.
2314

Tympanol. Drugs for veterinary use; drug efficacy study implementation.
2315

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.
2366

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation.
2369

D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation.
2370

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.
2372

Improved method for determination of sulfonamides in milk and tissues.
2425

Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

DUSTING
Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

DWARF MOSAIC
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

Grain yield of corn reduced by maize dwarf mosaic virus infection.
2141

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

Interaction of maize dwarf mosaic virus strains' and sugarcane mosaic virus H in corn.
2190

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

Transmission of maize dwarf mosaic by the greenhug, Schizaphis graminum.
2214

DYES
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377.
2265

Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

ECOLOGY
An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard.
2241

ECONOMICS
Development and perspectives of biological control.
1976

Sampling to detect economic infestations of Limonius spp.
2022

On the morphology and the bionomics of the insects of economic importance. II. Head appendages in Alphitobius diaperinus (Panz.) (Tenebrionidae, Coleoptera).
2043

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control.
2227

Control of weeds in wheat crop by 2,4-D.
2260

Fatty tissue biopsy in pigs.
2299

Research on diseases of poultry.
2331

ECTHYMA
The pathogenesis of ovine Contagious Ecthyma.
2307

ECZEMA
Eczema and liver disease in dogs (hepatodermal syndrome).
2287

EDEMA DISEASE
Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

EGGS
Metabolism of blood proteins in hens during natural and artificial moulting.
2310

Notice of filing of petition regarding pesticide chemicals.
2395

EIMERIA
Coccidiosis in wild rabbits, Oryctolagus cuniculus (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit.
2343

ELECTRODES
Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

ELECTRON MICROSCOPY
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

First reports on the ultrastructure of the alimentary canal of a pseudoscorpion.
1921

The structure of the spiracles of the cattle tick, Boophilus microplus.
1982

Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma.
1983

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection.
2142

Chemical and biological properties of phytotoxic glycopeptides isolated from Corynebacterium michiganense.
2167

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

The pathogenesis of ovine Contagious Ecthyma.
2307

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

Antigen conversion in Salmonella. XI. Conversio in the N(O:30) group.
2437

ELECTROPHORESIS
Separation of the free ninhydrin-positive fractions in Phormia and Drosophila using two-dimensional high voltage electrophoresis.
1940

Developmental changes in the late larva of Calliphora stygia. I. Haemolymph.
1998

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection.
2142

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

ELECTROPHYSIOLOGY
Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration.
2060

Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

EMBRYOGENESIS
The embryonic development of the brain in paurometabolic insects. A study on Carausius morosus and Periplaneta americana.
2007

EMBRYOLOGY
The morphological basis of embryonic movements in the light brown apple moth, Epiphyas postvittana (Walk.) (Lepidoptera: Tortricidae).
1918

EMBRYOS
Developmental performance of embryonic blastemas of Drosophila after culture in the adult host.
1977

Embryologic development of an anomaly of ocular fundus in the Collie dog.
2312

EMERGENCE
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

EMPOASCA FLAVESCENS
Leaf changes brought about by Empoasca flavescens F. (Hom. Typhlocybidae) on apple trees.
2203

A technique for evaluating varietal resistance of castor to castor jassid (Empoasca flavescens Fabricius).
2232

EMULSIFYING AGENTS
Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

ENCEPHALITIS
Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

The pathogenesis of experimental distemper in mice.
2350

ENDOSULFAN
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan.
2408

ENDOTOXINS
Stability of Escherichia coli endotoxin in the rat gastrointestinal tract.
2279

Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats.
2280

ENDRIN
Laboratory evaluation of several new insecticides for control of the pale western cutworm.
2012

Chemical control of mango hoppers (Idiocerus spp.).
2211

ENTEROBACTERIACEAE
Transmissible resistance factors in enterobacteriaceae isolated in Algeria.
2441

ENTEROTOXEMIA
Enterotoxaemia: Deadly disease of sheep.
2290

ENTOMOLOGY
Modified container for study of photoperiodism.
1857

A vacuum probe for manipulating insects.
1859

Problems in plant pathology and entomology field trials.
2109

ENVIRONMENT
Environmental factors regulating the diurnal vertical migration of Chaoborus larvae.
2000

Histopathology of the developing reproductive system of Acdes stimulans (Walker) (Diptera: Culicidae) under thermal stress.
2026

The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Arceuthobium pusillum on eastern larch in Wisconsin.
2257

ENZYMES
Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in Drosophila melanogaster.
2075

The influence of the genotype on cell affinities in combinations of imago organisms of Drosophila melanogaster.
2079

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

An experimental study of the allergen-specific-enzymatic factor . II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.
2322

Coenzyme Q10 in Brucella abortus Bang.
2345

The effect of molds on the enzymic acivity, respiration and viability of stored grain.
2381

Collagenolytic activity of snake and spider venoms.
2435

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis.
2438

Epoxidation of aldrin by plant materials.
2457

Biological activity of PA-X, a plant regulator from bean seeds.
2460

EOSINOPHILS
The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.
2276

EPERYTHROZOON TUOMII
Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Epcrythrozoon in cattle in Malagasy Republic.
2347

EPERYTHROZOONOSIS
Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Eperythrozoon in cattle in Malagasy Republic.
2347

EPHYDRIDAE
On the knowledge of the Ephydridae (Diptera, Brachycera) from eastern Siberia.
1875

EPIDEMIOLOGY
Diseases of sugarbeet in Arizona.
2112

Fungal diseases of bananas in Hawaii.
2152

Stem pitting in Prunus spp. other than peach.
2154

Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona.
2159

Dutch elm disease found in Idaho.
2164

Distribution of cucurbit viruses in Kansas.
2171

Cucurbit virus studies in Hawaii.
2172

Phytophthora crown and root rot of hops in California.
2181

Epidemiology and prevention of bacterial blight disease of rice in India.
2183

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

History and epidemiology of rabies in wildlife in New York.
2293

Study on the incidence and etiology of mastitis in sows.
2302

Infectious peritonitis in cats.
2351

Transmissible resistance factors in enterobacteriaceae isolated in Algeria.
2441

EPINEPHRINE
Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

EPIPHYAS POSTVITTANA
The morphological basis of embryonic movements in the light brown apple moth, Epiphyas postvittana (Walk.) (Lepidoptera: Tortricidae).
1918

EPITHELIAL TUMORS
Two cases of epithelial malignancy in salientia.
2288

EPIZOOTIC DISEASES
Immunity in ewes resulting from natural exposure to Vibrio fetus.
2321

EPOXIDES
Artificial sex pheromones for the codling moth.
2014

EQUINE INFECTIOUS ANEMIA
Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

EQUIPMENT
Modified container for study of photoperiodism.
1857

Vacuum cleaner for use with granular applicators in fieldplot work.
1858

A vacuum probe for manipulating insects.
1859

A technique for studying the feeding habits of the horn fly.
1860

An automated repellency-assay system. II. A new electronic bitometer-timer. .
1861

The role of moisture in the winter survival of the boll weevil complex in Arizona.
2001

Laboratory rearing of aphids.
2019

Chambers for incubating individual insect eggs and egg parasites.
2054

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp.
2057

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

A portable instrumented tower for use in meteorologically related research.
2468

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

ERYSIPHE GRAMINIS TRITICI
32P and 35S transfer from susceptible wheat to Erysiphe graminis f. sp. tritici during primary infection.
2156

ERYTHROCYTES
Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

Effect of the venom of the bee Apis mellifera on osmotic fragility of cattle RBC.
2434

ESCHERICHIA COLI
Stability of Escherichia coli endotoxin in the rat gastrointestinal tract.
2279

Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats.
2280

Pulmonary diseases of pig in Madagascar.
2335

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

Transmissible resistance factors in enterobacteriaceae isolated in Algeria.
2441

ESCHERICHIA FREUNDII
Transmissible resistance factors in enterobacteriaceae isolated in Algeria.
2441

ESTRADIOL
Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

ESTROGENS
Effects of estrogens on aortic connective tissue of turkeys.
2269

ETHION
Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

ETHYL PARATHION
A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton, 1967.
1962

ETHYL S-PHENYL ETHYLPHOSPHONODITHIOATE, O
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

ETHYLENE DIBROMIDE
The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

ETHYLENEDIAMINETETRAACETIC ACID
Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

ETIOLOGY
Study on the incidence and etiology of mastitis in sows.
2302

EULOPHIDAE
Some species of Pediobius Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls.
1864

EUURA
Evolutionary morphology of insect genitalia as exemplified by the sawfly Euura (Hymenoptera: Tenthredinidae).
2052

EVOLUTION
A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera.
2036

EXPERIMENTAL INSECTS
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique.
1947

Performance of laboratory-reared and artifically inseminated honey bee queens.
1950

Biology and colonization of the winter tick in the laboratory.
1952

Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.
1980

Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. I. Laboratory experiments.
2003

Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. II. Experiments related to transmission in nature.
2004

Laboratory evaluation of several new insecticides for control of the pale western cutworm.
2012

Laboratory and field evaluation of larvicides against chironomid midges.
2018

Laboratory rearing of aphids.
2019

A laboratory evaluation of baits and chemosterilants on the little house fly.
2027

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp.
2057

Performance of the English grain aphid on sterilized and unsterilized artificial diet.
2059

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

EXTRACTS
Attraction of female boll weevils to traps baited with males or extracts of males.
1945

Isolation of a sex pheromone of the codling moth.
2013

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
2029

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

EYES
Light-dark adaptation in acone apposition eyes of insects.
1954

Autonomous pleiotropy in Drosophila.
2091

Embryologic development of an anomaly of ocular fundus in the Collie dog.
2312

FALCONS
The trained falcon in health and disease.
2266

FANNIA CANICULARIS
A laboratory evaluation of baits and chemosterilants on the little house fly.
2027

FASCIOLA GIGANTICA
Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica.
2361

FASCIOLIASIS
Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica.
2361

FASCIOLOIDES MAGNA
A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna).
2359

FAT BODY
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

Studies on the physiology of the fat body of Pyrrhocoris apterus L.
2008

FATS
Notice of filing of petition regarding pesticide chemicals.
2414

FATTY ACIDS
Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

FECES
Influence of moisture content of bovine feces on oviposition and development of the face fly.
1927

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow.
2296

FEED
Scientists attack corn borer.
2202

Saprozoic nematodes transmit Streptomyces phage.
2245

Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid.
2268

Moldy feeds pose hazard.
2277

Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.
2311

FEED GRAINS
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

FEED TOXICITY
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding.
2323

FEEDING
A technique for studying the feeding habits of the horn fly.
1860

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

Performance of laboratory-reared and artifically inseminated honey bee queens.
1950

Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests.
2063

Studies on the attack behavior of the southern pine bettle. IV. Influence of host condition on aggregation pattern.
2064

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

Preference of green peach aphids for virus-infected sugarbeet leaves.
2224

The trained falcon in health and disease.
2266

FEEDS
Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.
2264

FERBAM
Chemical control of scab on citrus in Florida.
2136

FERTILITY
Adaptations to temperature in geographic races of the Queensland fruit fly Dacus (Strumeta) tyroni.
1926

FERTILIZERS
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

FETUS
Embryologic development of an anomaly of ocular fundus in the Collie dog.
2312

Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

FIBERBOARD
On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide.
2449

FIELD MICE
Sofar unnoticed damage to fruit trees, brought about by field mice.
2263

FLAX
Heritability of seeding disease characteristics in flax.
2162

FLOWERS
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

FLUORESCENCE
The pathogenesis of ovine Contagious Ecthyma.
2307

Bromide residues from methyl bromide fumigation of food commodities.
2399

FLUORESCENT ANTIBODY TECHNIC
The pathogenesis of experimental distemper in mice.
2350

FLY TRAPS
Whole town treatment for fruit fly control.
2236

FOLIAR APPLICATION
A comparative study on urea sprays upon some deciduous fruit trees.
2100

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

FOLLICLE-STIMULATING HORMONE
F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

FOMES ANNOSUS
Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

Survival of Fomes annosus spores in soil.
2148

FOOD
A new source of high protein in oats.
2193

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

Bromide residues from methyl bromide fumigation of food commodities.
2399

FOOD ADDITIVES
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid.
2268

Notice of opportunity for hearing regarding medicated animal feeds.
2270

Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride.
2362

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Food additives permitted in food for human consumption. Tylosin.
2407

Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

FOOD ANALYSIS
Bromide residues from methyl bromide fumigation of food commodities.
2399

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan.
2408

FOOD CONSUMPTION
Food additives permitted in food for human consumption. Tylosin.
2407

Toxicity of fentin hydroxide to rats.
2431

FOOD FLAVOR
Effect of soil systemic insecticides on flavor and residue in coffee.
2423

FOOD HABITS
On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

The feeding behavior and biology of Paraphronematus acaciae (Acarina: Tydeidae).
2225

The termites of Paris.
2383

FOOD MOISTURE
Influence of moisture content of bovine feces on oviposition and development of the face fly.
1927

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations.
2020

Campaign against stored grain pests in villages of IADP District Ludhiana.
2382

FOOD PROCESSING
Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.
2398

Behavior of DDT in potatoes during commercial and home preparation.
2418

FOOD STORAGE
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

FOREST INSECTS
Studies on the attack behavior of the southern pine bettle. II. Response to attractive host material.
1943

Studies on the attack behavior of the southern pine bettle. III. Sequence of tree infestation within stands.
1966

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

FOREST SOILS
Survival of Fomes annosus spores in soil.
2148

FORMALDEHYDE
Scorpion preservation for taxonomic and morphological studies.
2070

Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

FORMICIDAE
Orthopterological notes. XXII. The genus Myrmecophilus Berth. in Italy.
1866

The distribution of ants in central southern England.
1867

FROGS
Two cases of epithelial malignancy in salientia.
2288

FRUIT
A comparative study on urea sprays upon some deciduous fruit trees.
2100

The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Rhyacia augur F. and other climbing cutworms (Lepidoptera).
2215

Sofar unnoticed damage to fruit trees, brought about by field mice.
2263

Notice of filing of petition regarding pesticide chemicals.
2412

Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

FRUIT BATS
Mycobacterium buruli lesions in the fruit bat web.
2284

FRUIT ROT
Bacterial fruit rot of watermelon in Florida.
2130

Fruit rot of papaya (Carica papaya L.) caused by Macrophomina phaseoli (Maubl). Ashby.
2143

FRUIT SETTING
Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

FUMIGANTS
Bromide residues from methyl bromide fumigation of food commodities.
2399

FUMIGATION
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

FUNGI
Fluctuations in the population of Schizolachnus piniradiatae (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967.
2048

Biochemical studies on Sclerotium rolfsii Sacc.
2144

Cytology of the sporangium of Phytophthora capsici.
2194

The feeding behavior and biology of Paraphronematus acaciae (Acarina: Tydeidae).
2225

Mycotoxicoses.
2297

A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle.
2346

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

FUNGI DISSEMINATION
Wind dispersal of Puccinia horiana.
2196

FUNGICIDES
Reduction in mortality of peach trees following preplant soil fumigation.
2103

Arsenal for disease control.
2115

Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

Contribution to the application method for fungicides to control potato blight.
2128

Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes.
2187

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

Evaluation of fungicides for use against Marasmius palmivorus on oil palms.
2191

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Establishment and treatment of cutaneous Candida albicans infection in the rabbit.
2316

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.
2406

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole.
2409

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

FUNGUS DISEASES (ANIMALS)
Establishment and treatment of cutaneous Candida albicans infection in the rabbit.
2316

A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle.
2346

FUNGUS DISEASES (PLANTS)
Reduction in mortality of peach trees following preplant soil fumigation.
2103

Diseases of sugarbeet in Arizona.
2112

Arsenal for disease control.
2115

Phytophthora cinnamomi Rands on conifers in New South Wales.
2121

A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum.
2123

Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

Contribution to the application method for fungicides to control potato blight.
2128

Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

Chemical control of scab on citrus in Florida.
2136

Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Fruit rot of papaya (Carica papaya L.) caused by Macrophomina phaseoli (Maubl). Ashby.
2143

Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants.
2145

Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi.
2146

Survival of Fomes annosus spores in soil.
2148

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

Fungal diseases of bananas in Hawaii.
2152

An approach to the study of the population dynamics of Aphanomyces eutciches in soil.
2155

32P and 35S transfer from susceptible wheat to Erysiphe graminis f. sp. tritici during primary infection.
2156

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

The identification of genes for pathogenicity in Cochliobolus carbonum.
2160

Heritability of seeding disease characteristics in flax.
2162

Ear removal and cell death rate in corn stalk tissue.
2163

Dutch elm disease found in Idaho.
2164

Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

A laboratory assay for determining pathogenicity of Phytophthora spp. to tomato.
2169

Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valticky variety, to some fungus diseases.
2170

Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Additional sources of tolerance to oat crown rust.
2176

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

Phytophthora crown and root rot of hops in California.
2181

Downy mildew of sorghum in Georgia.
2182

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen.
2186

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

Evaluation of fungicides for use against Marasmius palmivorus on oil palms.
2191

Dutch elm disease detected in Mississippi.
2195

Wind dispersal of Puccinia horiana.
2196

On the incubation period of Puccinia horiana.
2197

The rapid development and spread of strain B downy mildew of lima beans.
2198

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole.
2409

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

FUSARIUM
Phytophthora crown and root rot of hops in California.
2181

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

FUSARIUM OXYSPORUM
The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuehn.
2451

FUSARIUM SOLANI
Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi.
2146

GALLERIA MELLONELLA
Selection methods for pathogenic forms of microorganisms.
1956

GAMMA RAYS
Selection methods for pathogenic forms of microorganisms.
1956

Effects of whole-body irradiation on baby pigs (Sus scrofa).
2283

GANGLION CELLS
Action of nicotine on neural transmission in the American cockroach (Periplaneta americana (L.)).
1963

GASTROINTESTINAL SYSTEM
First reports on the ultrastructure of the alimentary canal of a pseudoscorpion.
1921

Studies on the metamorphosis of the alimentary canal of Hyalophora cecropia (L.).
1992

Stability of Escherichia coli endotoxin in the rat gastrointestinal tract.
2279

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.
2324

GELS
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

GENES
Histopathology of the developing reproductive system of Aedes stimulans (Walker) (Diptera: Culicidae) under thermal stress.
2026

Inheritanee of crown rust resistance in Avena sterilis.
2108

Leaf pubescenee in eommon wheat, Tritieum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

DDT resistance in barley, Hordeum vulgare- I. Indueed mutants for resistance.
2114

Host resistance responses- an induetion hypothesis.
2139

The coat protein gene of tobacco mosaie virus. I. Location of the gene by mixed infection.
2142

Gene dosage effects on monogenic chlorotic lesion resistanee to northern eorn leaf blight.
2158

The identification of genes for pathogenicity in Coehliobolus carbonum.
2160

GENETICS
Lymphocytic thyroiditis in the dog.
2320

GENOTYPES
Histopathology of the developing reproductive system of Aedes stimulans (Walker) (Diptera: Culicidae) under thermal stress.
2026

The influenee of the genotype on cell affinities in combinations of imago organisms of Drosophila melanogaster.
2079

GEOGRAPHY
Domestic quarantine notiees. Witchweed. Regulated areas.
2259

GERRIDAE
Morphologieal and histoehemieal study of the scent gland in the pond-skater, Gerris spinolae Leth. et Seu. (Gerridae-Insecta).
2032

GIBBERELLA ZEAE
Ear removal and cell death rate in eorn stalk tissue.
2163

GIBBERELLIC ACID
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

GIBBERELLINS
Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

GLANDS (INSECTS)
Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

GLOSSINA PALPALIS
Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

Observations on the use of Antrycide Prosalt and the resistance of eattle to Trypanosomiasis.
2285

GLUCOSAMINE
Effeet of penieillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from Bacillus subtilis.
2467

GLUCOSE
Studies on the brown-eye-spot disease (Cercospora eoffeieola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen.
2186

GLYCERIDES
Studies on the physiology of the fat body of Pyrrhocoris apterus L.
2008

GLYCEROL
Some observations on chemoreeeption in the antennae of the centipede, Seolopendra subspinipes Leach (Mandibulata-Chilopoda).
2062

GLYCIDOL
Histochemistry and ultrastructure of the feminine genital duets of Gryllotalpa gryllotalpa L.
2016

GLYCINE
An incidence of the effect of glyeine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

Effect of arginine or serine on the need for glycine by the chick fed amino aeid or casein diets.
2273

GLYCOGEN
Changes in glyeogen-, lipid-, and nitrogen metabolism of the imago of Pyrrhocoris apterus L. in connection with the reproduction process.
1989

GLYCOPEPTIDES
Chemical and biologieal properties of phytotoxic glyeopeptides isolated from Corynebacterium michiganense.
2167

GOATS
Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat.
2282

Liver-fluke in Madagasear. Biologieal cyele of Faseiola gigantica.
2361

The effeet of tetramisole on Muellerius capillaris in goats.
2374

Oxidative metabolism of phosphamidon in rats and a goat.
2388

Notice of filing of petition regarding pestieide ehemieals.
2392

Notiee of filing of petition regarding pesticide ehemicals.
2393

Notice of filing of petition regarding pesticide chemicals.
2414

GONADS
The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

GRAIN
Grain yield of eorn reduced by maize dwarf mosaic virus infection.
2141

The effeet of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals.
2179

Control of weeds in wheat erop by 2,4-D.
2260

Mycotoxicoses.
2297

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

The effeet of molds on the enzymic acivity, respiration and viahility of stored grain.
2381

Campaign against stored grain pests in villages of IADP District Ludhiana.
2382

GRAMINELLA NIGRIFRONS
Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt virus.
2206

GRANULOSES
Specificity of insect viruses.
1987

GRAPES
Proof of the presence of the tomato bushy stunt virus in grape tendrils.
2120

Notice of filing of petition regarding pesticide chemieals.
2391

GRASSES
The identifieation of genes for pathogenicity in Coehliobolus carbonum.
2160

GRASSHOPPERS
A eomparative study of communication in grasshoppers.
2023

GREENHOUSE CULTURE
Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

Modern methods of disease control in florist and nursery erops.
2117

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

Greenhouse studies of host plant suitability to Graminella nigrifrons, a veetor of corn stunt virus.
2206

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

Air pollution damage to chrysanthemum foliage.
2387

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

GROWTH
An ineidence of the effect of glycine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

GROWTH FACTORS
Principles of erowding effeet in Aphis gossypii Glover (Aphididae, Homoptera).
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Studies on the physiology of the fat body of Pyrrhocoris apterus L.
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The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae).
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The development of the thorax muscles of Periplaneta after cutting of individual nerves. Preliminary report.
2021

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2050

Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.
2405

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

GRYLLOTALPA GRYLLOTALPA
The anal glands of Gryllotalpa gryllotalpa L. ultrastructure and histochemistry.
1948

The feeding of the mole cricket and its effect on outbreeks and control.
1973

Histochemistry and ultrastructure of the feminine genital duets of Gryllotalpa gryllotalpa L.
2016

GUINEA PIGS
Release of an acetyleholine-like substance from guinea pig ileum by seorpion venom.
2429

GYNANDROMORPHISM
A gynandromorphic grasshopper produced by double fertilization.
2094

HABITATS
The distribution of ants in central southern England.
1867

The termites of Paris.
2383

HAEMATOBIA IRRITANS
A technique for studying the feeding habits of the horn fly.
1860

HAEMOLYMPH
Developmental changes in the late larva of Calliphora stygia. I. Haemolymph.
1998

HALO BLIGHT
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

HAMSTERS
The pathogenesis of ovine Contagious Eethyma.
2307

HAY
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performanee, and analysis of toxic substance(s) associated with molding.
2323

HEAD
Studies on the structure of the head, mouth-parts and their musculature in Hippobosca maculata Leach (Diptera: Pupipara).
1951

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Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
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Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

HEAT TREATMENT
Scorpion preservation for taxonomic and morphological studies.
2070

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A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton, 1967.
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Measuring newly hatched phytophagous larvae in the field or greenhouse.
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Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
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Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
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HELIOTHIS ZEA
A field test comparing resistant varieties plus applications of polyhedral virus with insecticeides for control of Heliothis spp. and other pests of cotton, 1967.
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Inundative releases of Chrysopa earnea for control of Heliothis on cotton.
2231

HELMINTHOSPORIUM TURCICUM
Gene dosage effects on monogenic chlorotie lesion resistance to northern corn leaf blight.
2158

HEMADSORPTION TESTS
A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses.
2337

HEMAGGLUTINATION
Immunological studies on experimental ascariasis.
2378

HEMIPTERA
On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle.
1972

HEMOLYMPH
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

HEMORRHAGE
Vetistat. Drugs for veterinary use - drug efficacy study implementation.
2272

HEPATITIS
Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.
2298

HEPTACHLOR
Residues in pasture following application of a granular heptachlor preparation
2403

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carhon on insecticide adsorption and toxicity in soils.
2419

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules.
2424

HEPTACHLOR EPOXIDE
Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules.
2424

HERBICIDES
The effects of IPC, CIPC, Sevin and Zeetran on Bacillus subtilis.
2132

Chemical control of scab on citrus in Florida.
2136

Biochemical aspects of triazine based herbieides.
2255

Progress report on Johnsongrass control in orchards.
2256

Comparison of herbicides and times of spraying for the control of blackberry (Rubus fruticosus).
2258

Control of weeds in wheat crop by 2,4-D.
2260

Selective herbicides control weeds in lucerne at Cowra.
2262

Several factors affecting adsorption of atrazine and diphenamid by soils.
2386

Notice of filing of petition regarding pesticide chemicals.
2391

Notice of withdrawal of petition regarding pesticides.
2394

Notice of filing of petition regarding pesticide chemicals.
2395

Notice of filing of petition regarding pesticide chemicals.
2410

Notice of filing of petition regarding pesticide chemicals.
2411

Notice of filing of petition regarding pesticide chemicals.
2413

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
2415

Selective action of chloroxuron on soybean and morningglory.
2448

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

Degradation of monosodium methanearsonic acid by soil microorganisms.
2461

HEREDITARY DISEASES
Embryologic development of an anomaly of ocular fundus in the Collie dog.
2312

HERPESVIRUSES
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

HETERAKIS GALLINARUM
Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

HETEROCERIDAE
A new species of Heterocerini (Coleoptera: Heteroceridae).
1902

HETERODERA GLYCINES
Survival of soybean cyst nematodes in seed bags.
2243

HETERODERA ROSTOCHIENSIS
Determination of the water content of nematode worms by interference microscopy.
2242

HETERODERA SCHACHTII
Nebraska root-gall nematode of sugar beets.
2253

HETERODERA TABACUM
Mutual antagonism between Heterodera tabacum and some other parasitic nematodes.
2248

HETERODERA TRIFOLII
Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

HETEROPEZA PYGMAEA
On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat Heteropeza pygmaea Winnertz 1846 (Diptera, Cecidomyiidae).
2030

HETEROPTERA
Heteroptera catch from the island of Crete.
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HIBERNATION
The feeding of the mole cricket and its effect on outbrecks and control.
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The role of moisture in the winter survival of the boll weevil complex in Arizona.
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2226

HILL REACTION
Biochemical aspects of triazine based herbicides.
2255

HIPPOBOSCIDAE
Studies on the structure of the head, mouth-parts and their musculature in Hippobosca maculata Leach (Diptera: Pupipara).
1951

HIRUDINEA
Experimental investigation into the physiological change in color of Hirudinea.
2375

HISTAMINE
Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis.
2438

HISTIDINE
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

HISTOCHEMISTRY
The anal glands of Gryllotalpa gryllotalpa L. ultrastructure and histochemistry.
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2093

Effects of estrogens on aortic connective tissue of turkeys.
2269

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

The pathogenesis of ovine Contagious Ecthyma.
2307

HISTOPATHOLOGY
Histopathology of the developing reproductive system of Aedes stimulans (Walker) (Diptera: Culicidae) under thermal stress.
2026

HISTORY
History and epidemiology of rabies in wildlife in New York.
2293

HOMOPTERA
Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae.
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HOPS
Phytophthora crown and root rot of hops in California.
2181

Notice of filing of petition regarding pesticide chemicals.
2390

Notice of filing of petition regarding pesticide chemicals.
2391

HORDEUM
Selective herbicides control weeds in lucerne at Cowra.
2262

HORMONES
Studies on the metamorphosis of the alimentary canal of Hyalophora cecropia (L.).
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Effects of estrogens on aortic connective tissue of turkeys.
2269

P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation.
2271

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

HORSES
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
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Transmission of equine sarcoid.
2348

Notice of filing of petition regarding pesticide chemicals.
2392

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On a known and some new species of insect nematodes.
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2223

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2233

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Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

Mycotoxicoses.
2297

Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of Mycoplasma agents from infected sheep eyes.
2344

HUMANS
Research and testing of preparations on rodents in the habitat of man.
2442

The effect of malcic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro.
2443

HUMIC ACIDS
Adsorption of some pesticides on soils, clay minerals and humic acid.
2420

HUMIDITY
Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
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The role of moisture in the winter survival of the boll weevil complex in Arizona.
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2037

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2335

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

HYALOPHORA CECROPIA
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

Studies on the metamorphosis of the alimentary canal of Hyalophora cecropia (L.).
1992

Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

HYALURONIDASE
Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis.
2438

HYBRIDS
Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

HYDRATES
Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

HYDROGEN-ION CONCENTRATION
Signs of water pollution in the Riviere des Prairies.
2385

HYDROLYSATES
Trapping for control of the Mexican fruit fly in mango and citrus groves.
1924

HYDROLYSIS
Biochemical studies on Sclerotium rolfsii Sacc.
2144

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

HYGIENE
Whole town treatment for fruit fly control.
2236

HYGROMYCIN B
Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

HYMENOPTERA
Platygasterid discoveries from Finland (Hymenoptera, Proctotrupoidea).
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1922

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2036

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A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

HYPERKERATOSIS
Eczema and liver disease in dogs (hepatodermal syndrome).
2287

HYPERODES BONARIENSIS
A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera: Curculionidae).
2207

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The control of some species of pest insects by Bacillus thuringiensis.
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1984

ICSH
P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation.
2271

IDENTIFICATION
The identification of genes for pathogenicity in Cochliobolus carbonum.
2160

IDIOCERUS
Chemical control of mango hoppers (Idiocerus spp.).
2211

IMMUNITY
Specificity of insect viruses.
1987

Immunity in ewes resulting from natural exposure to Vibrio fetus.
2321

IMMUNIZATION
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

Contagious bovine pleuropneumonia, its treatment and control.
2286

Enterotoxaemia: Deadly disease of sheep.
2290

Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

IMMUNOCHEMISTRY
Antigen conversion in Salmonella. XI. Conversio in the N(O:30) group.
2437

IMMUNOLOGY
Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna).
2359

Immunological studies on experimental ascariasis.
2378

IMPATIENS PARVIFLORA
Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

IMPLANTATION
Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

IN VITRO
Studies on the physiology of the fat body of Pyrrhocoris apterus L.
2008

INCUBATORS
Chambers for incubating individual insect eggs and egg parasites.
2054

INDIA
Study on the incidence and etiology of mastitis in sows.
2302

INFECTIOUS DISEASES
Contagious bovine pleuropneumonia, its treatment and control.
2286

Enterotoxaemia: Deadly disease of sheep.
2290

The pathogenesis of ovine Contagious Ecthyma.
2307

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle.
2326

Infectious peritonitis in cats.
2351

INFRARED RAYS
Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp.
2057

INFRARED SPECTRA
Infrared spectography of myxoviruses.
2291

Adsorption of 3-aminotriazole by montmorillonite.
2466

INHERITANCE
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

INHIBITORS
The development of the thorax muscles of Periplaneta after cutting of individual nerves. Preliminary report.
2021

Inhibition of growth of Bacillus thuringiensis by amino acids in defined media.
2050

Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

INJECTIONS
Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

INSECT ACCLIMATIZATION
The acclimatization of Zonabris variabilis Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction.
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2052

Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult.
2090

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A technique for studying the feeding habits of the horn fly.
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Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
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2216

Preference of green peach aphids for virus-infected sugarbeet leaves.
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Distribution of hibernating larvae of the western budworm, Choristoneura occidentalis, on Douglas-fir in Colorado.
2226

Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

The termites of Paris.
2383

INSECT BIOCHEMISTRY
On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle.
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1898

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal) Supplement I.
1944

Biology and colonization of the winter tick in the laboratory.
1952

Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

Biology of the face fly: Migration of larvae.
1991

Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes on its biology.
2002

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
2029

Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency.
2088

Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt virus.
2206

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

Rhyacia augur F. and other climbing cutworms (Lepidoptera).
2215

The feeding behavior and biology of Parapronematus acaciae (Acarina: Tydeidae).
2225

INSECT BREEDING
Sex and selection for a quantitative character in Drosophila. I. Single-sex selection.
2076

Sex and selection for a quantitative character in Drosophila. II. The sex dimorphism.
2077

Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in Drosophila melanogaster.
2087

A boll weevil oviposition suppression factor in cotton.
2208

INSECT CAGES
A technique for studying the feeding habits of the horn fly.
1860

Hints on the permanent rearing of Dacus oleae Gmelin (Diptera, Tyrpetidae)in the laboratory.
1938

Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests.
1978

Laboratory rearing of aphids.
2019

Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
2231

INSECT COLLECTING EQUIPMENT
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

Attraction of female boll weevils to traps baited with males or extracts of males.
1945

Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests.
1978

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.
1986

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps.
2056

Physiological bases for the luring and catching of insects.
2069

INSECT COLLECTION
New longicorns of the Museum of Natural History at Geneva.
1872

Heteroptera catch from the island of Crete.
1886

Some remarks concerning sphinx moths catches on the island of Sumatra. Supplementary information concerning the knowledge of sphinx moths (II) (Lep. Sphingidae).
1887

Aquatic insect fauna of Brownsea Island and the Isle of Purbeck, Dorset.
1911

Flight and ground collection records of Costelytra zealandica (White) at a site in Canterbury, New Zealand.
1996

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

INSECT CONTROL
Trapping for control of the Mexican fruit fly in mango and citrus groves.
1924

A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal) Supplement I.
1944

INSECT CULTURES

Population assessment of cotton bollworm in relation to pest control practices.
1974

Whole town treatment for fruit fly control.
2236

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

A portable instrumented tower for use in meteorologically related research.
2468

INSECT CULTURES

Developmental performance of embryonic blastemas of Drosophila after culture in the adult host.
1977

Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in Drosophila melanogaster.
2075

INSECT DIAPAUSE

The ecology of Sminthurus viridis (Collembola). II. Diapause in the aestivating egg.
2066

INSECT DIGESTION

On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

INSECT DISEASES

Report of third work conference on the use of nuclearpolyhedrosis virus for control of Heliothis species.
1934

Selection methods for pathogenic forms of microorganisms.
1956

The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster.
1979

Specificity of insect viruses.
1987

INSECT DISSEMINATION

Studies on the attack behavior of the southern pine bettle. II. Response to attractive host material.
1943

Studies on the attack behavior of the southern pine bettle. III. Sequence of tree infestation within stands.
1966

Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.
1980

Biology of the face fly: Migration of larvae.
1991

The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae).
2015

Studies on the attack behavior of the southern pine bettle. IV. Influence of host condition on aggregation pattern.
2064

Insect and host factors in the aggregation of the southern pine beetle.
2065

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

INSECT ECOLOGY

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

Adaptations to temperature in geographic races of the Queensland fruit fly Dacus (Strumeta) tyroni.
1926

The comparative ecology of two closely related, sympatric species of Dacus (Diptera) in Queensland.
1969

On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods.
1990

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids.
2045

The ecology of Sminthurus viridis (L.)(Collembola). I. Processes influencing numbers in pastures in Western Australia.
2067

Biology of the robber fly Eutolmus rufibarbis Mg, (Diptera, Asilidae) in Khabarovsk Territory.
2072

The ecology of a natural population of the Queensland fruit fly, Dacus tryoni. I. The parameters of the pupal and adult populations during a single season.
2205

Studies of the ecology of the cabbage aphid (Brevicoryne brassicae (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.
2219

INSECT EGGS

Iconography of the eggs of the Lepidoptera fauna of Belgium.
1907

Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

Pre-bloom oil sprays for European red mite control.
1932

Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

The feeding of the mole cricket and its effect on outbrecks and control.
1973

Organogenesis of the female reproductive system of an aedine mosquito.
2038

Effects of apholate on the alfalfa weevil.
2053

Chambers for incubating individual insect eggs and egg parasites.
2054

The ecology of Sminthurus viridis (Collembola). II. Diapause in the aestivating egg.
2066

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
2231

INSECT EVOLUTION

Geographical variation in Paprides nitidus (Hutton) (Orthoptera: Acrididae).
2028

Investigation into the appearance of the three castes in the bumblebee colony.
2040

INSECT FLIGHT

Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.
1980

Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult.
2090

INSECT GENETICS

The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster.
1979

Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster.
2074

Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in Drosophila melanogaster.
2075

Sex and selection for a quantitative character in Drosophila. I. Single-sex selection.
2076

Sex and selection for a quantitative character in Drosophila. II The sex dimorphism.
2077

Aspects of RNA and protein synthesis in imaginal discs of Drosophila melanogaster.
2078

The influence of the genotype on cell affinities in combinations of imago organisms of Drosophila melanogaster.
2079

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

Genetic heterogeneity among the founders of laboratory populations of Drosophila melanogaster. II. Mating behaviour.
2081

5-aminoacridine induced crossing over in the Drosophila male.
2082

Genetic and cytogenetic relationships among certain nearctic anophelines.
2083

Relative fitness of a third chromosome inversion in Drosophila melanogaster.
2084

Genetic heterogeneity among the founders of laboratory populations of Drosophila melanogaster. III. Sternopleural chaetae.
2085

The taxonomy, cytology and genetics of genus Timarcha (Col. Cris). I. Karyotype of T. goettingensis L. ssp. catalaunensis Fairm..
2086

Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in Drosophila melanogaster.
2087

Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency.
2088

Embryonic developmental mutations of the nullosomies and tetrasomies of the third chromosome of Drosophila melanogaster.
2089

Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult.
2090

Autonomous pleiotropy in Drosophila.
2091

Inheritance of resistance to organophosphorus acaricides in the cattle tick, Boophilus microplus.
2092

Brain cholinesterase activity and its inheritance in cattle tick (Boophilus microplus) strains re-

sistant and susceptible to organophosphorus acaricides.
2093

A gynandromorphic grasshopper produced by double fertilization.
2094

Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species.
2095

Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae).
2096

Automated sexing of pupae and its usefullness in control by sterile insects.
2097

INSECT GEOGRAPHY
The distribution of ants in central southern England.
1867

New species of the Sarcophaga Meigen genus (Fam. Sarcophagidae, Diptera).
1890

Australian Blattidae (Blattodea). VII. The Platyzosteria group; general remarks and revision of the subgenera Platyzosteria Brunner and Leptozosteria Tepper.
1894

A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia.
1895

A new genus of Scelionidae (Hymenoptera) with austral disjunctive distribution.
1897

Ticks from Turkey (Acari, Ixodidae).
1900

Geographical variation in Paprides nitidus (Hutton) (Orthoptera: Acrididae).
2028

The termites of Paris.
2383

INSECT HARDINESS
Relative fitness of a third chromosome inversion in Drosophila melanogaster.
2084

INSECT HISTOLOGY
Structure and function of the rectal pads in Hymenoptera.
1922

Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera.
1925

Description and distribution of the neurosecretory cells in brain and ventral ganglia of Lethocerus indicum Lep. et Serv. (Heteroptera-Belostomatidae).
1928

Studies on the morphology of Lethocerus indicum Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata.
1929

Light-dark adaptation in aconc apposition eyes of insects.
1954

Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

The structure of the spiracles of the cattle tick, Boophilus microplus.
1982

Studies on the metamorphosis of the alimentary canal of Hyalophora cecropia (L.).
1992

On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat Heteropeza pygmaea Winnertz 1846 (Diptera, Cecidomyiidae).
2030

Embryonic developmental mutations of the nullosomies and tetrasomies of the third chromosome of Drosophila melanogaster.
2089

INSECT HORMONES
On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat Heteropeza pygmaea Winnertz 1846 (Diptera, Cecidomyiidae).
2030

INSECT IDENTIFICATION
New Old World genera of the Eurygeniini (Coleoptera: Anthicidae).
1862

Orthopterological notes. XXII. The genus Myrmecophilus Berth. in Italy.
1866

The Chironomidae of Florida. II. The nuisance species.
1868

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae.
1869

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. L. Orthoptera Gryllodea.
1874

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae.
1876

The aphid fauna of Spitsbergen.
1880

On some species of the genus Arctosa C. L. Koch and Tricca Simon (Araneae-Lycosidae).
1892

Concerning knowledge of the order Periommatus Chapuis (Coleoptera, Platypodidae). III.
1901

Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species.
1903

A review of the praying mantises of Ghana. (Dictyoptera Mantodea).
1905

Revision of African Reduviidae. II. Harpactorinae. Genus Nagusta Stal.
1914

Supplementary information on Korean Psyllidae. (Homoptera Psyllodea).
1999

Flashes of Photuris fireflies: Their value and use in recognizing species.
2005

The color change of Poecilimon ornatus Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae).
2017

A new biotype of cabbage aphid (Brevicoryne brassicae (L.)) on aphid resistant rape (Brassica napus L.).
2220

INSECT INFESTATION
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals.
2179

Effect of attack by Costelytra zealandica (White) larvae on ryegrass varieties.
2218

A new biotype of cabbage aphid (Brevicoryne brassicae (L.)) on aphid resistant rape (Brassica napus L.).
2220

An association between serum amylase phenotype and tick infestation in cattle.
2353

INSECT MATING
Flashes of Photuris fireflies: Their value and use in recognizing species.
2005

Competitive mating tests between normal and aspermic male house flies.
2035

INSECT METABOLISM
A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchota, Insecta).
1955

Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of Pyrrhocoris apterus L. in connection with the reproduction process.
1989

On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

INSECT MIGRATION
Biology of the face fly: Migration of larvae.
1991

The possibility of the occurrence of warm- and cold season relicts on the Zitzmannsdorf meadow at the Neusiedler lake.
1995

Environmental factors regulating the diurnal vertical migration of Chaoborus larvae.
2000

The color change of Poecilimon ornatus Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae).
2017

INSECT MORPHOLOGY
Macrosiphum alpinum n. sp. (Homoptera: Aphididae).
1898

Wing micro-sculpturing in termite genera Odontotermes, Hypotermes and Microtermes (Termitidae: Macrotermitinae) and its taxonomic value.
1906

The bark beetles of Greece and Cyprus. (249. Contribution to the morphology and taxonomy of the Scolytoidea).
1909

A new species of Elasmolomus (Heteroptera: Lygacidae) from Australia.
1910

The morphological basis of embryonic movements in the light brown apple moth, Epiphyas postvittana (Walk.) (Lepidoptera: Tortricidae).
1918

Structure and function of the rectal pads in Hymenoptera.
1922

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

Studies on the morphology of Lethocerus indicum Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata.
1929

The anatomy and physiology of the morahine grasshoppers. III. Muscles, nerves, tracheae, and genitalia.
1930

Studies on the structure of the head, mouth-parts and their musculature in Hippobosca maculata Leach (Diptera: Pupipara).
1951

Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

On the spiracles of the larvae of the suborder Myxophaga (Coleoptera).
1981

The structure of the spiracles of the cattle tick, Boophilus microplus.
1982

Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma.
1983

Investigation into a conditional host modification by the ichneumonid fly Perithous divinator (Rossi) (Hym., Ichneum.).
1984

Studies on the metamorphosis of the alimentary canal of Hyalophora cecropia (L.).
1992

The life history of Tribolium castaneum (Herbst) (Coleoptera, Tenebrionidae).
1994

Developmental changes in the late larva of Calliphora stygia. I. Haemolymph.
1998

The presence waxes in two kinds of lac cells.
2006

The embryonic development of the brain in paurometabolic insects. A study on Carausius morosus and Periplaneta americana.
2007

Morphology of the head capsule and its appendages of Stenthorus gilvifrons Mulsant (Coleoptera: Coccinellidae).
2010

Linkage studies of aldrin resistance in Blattella germanica (L.).
2011

Histopathology of the developing reproductive system of Aedes stimulans (Walker) (Diptera: Culicidae) under thermal stress.
2026

Geographical variation in Paprides nitidus (Hutton) (Orthoptera: Acrididae).
2028

Morphological and histochemical study of the scent gland in the pond-skater, Gerris spinolae Leth. et Seu. (Gerridae-Insecta).
2032

Structures of unknown, possibly stridulatory, function of the wings and body of Neuroptera; with an appendix on other endopterygote orders.
2034

A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera.
2036

Organogenesis of the female reproductive system of an aedine mosquito.
2038

Investigation into the appearance of the three castes in the bumblebee colony.
2040

On the morphology and the bionomies of the insects of economic importance. II. Head appendages in Alphitobius diaperinus (Panz.) (Tenebrionidae, Coleoptera).
2043

Head capsule of Alphitobius diaperinus (Panz.) (Tenebrionidae-Coleoptera).
2044

Photoperiodic induction of vernal phenotype in Pieris protodice Boisduval and Le Conte (Lepidoptera: Pieridae).
2047

The free amino acid pattern in tissues of silkworm during development.
2049

Morphology of the head capsule of Aelia rostrata Boh (Hemiptera: Pentatomidae).
2051

Evolutionary morphology of insect genitalia as exemplified by the sawfly Euura (Hymenoptera: Tenthredinidae).
2052

Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration.
2060

Studies on the morphology and relationships of male Apiomorpha and Opisthoscelis (Hemiptera: Coccoidea).
2061

The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

Genetic and cytogenetic relationships among certain nearctic anophelines.
2083

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

INSECT MUTATION

Linkage studies of aldrin resistance in Blattella germanica (L.).
2011

Autonomous pleiotropy in Drosophila.
2091

INSECT NEUROPHYSIOLOGY

Description and distribution of the neurosecretory cells in brain and ventral ganglia of Lethocerus indicum Lep. et Serv. (Heteroptera-Belostomatidae).
1928

Some observations on chemoreception in the antennae of the centipede, Scolopendra subspinipes Leach (Mandibulata-Chilopoda).
2062

INSECT NUTRITION

Hints on the permanent rearing of Dacus oleae Gmelin (Diptera, Tyrpetidae) in the laboratory.
1938

A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchota, Insecta).
1955

The feeding of the mole cricket and its effect on outbrecks and control.
1973

Performance of the English grain aphid on sterilized and unsterilized artificial diet.
2059

An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests.
2063

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

INSECT OUTBREAKS

A note on the outbreak of the Bombay locust, Patanga succinctal, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967.
1939

Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands.
1966

Biotic factors involved in crucifer aphid outbreaks following insecticide application.
2039

Insect and host factors in the aggregation of the southern pine beetle.
2065

Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

INSECT PESTS

Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research.
1920

A note on the outbreak of the Bombay locust, Patanga succinctal, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967.
1939

Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material.
1943

The control of some species of pest insects by Bacillus thuringiensis.
1953

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton, 1967.
1962

Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

The feeding of the mole cricket and its effect on outbrecks and control.
1973

Population assessment of cotton hollworm in relation to pest control practices.
1974

Development and perspectives of hiological control.
1976

Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes on its biology.
2002

Isolation of a sex pheromone of the codling moth.
2013

Artificial sex pheromones for the codling moth.
2014

Sampling to detect economic infestations of Limonius spp.
2022

Records of predators and parasites naturally prevalent in the Gujarat state.
2024

Certain minor crop pests hitherto unrecorded from the Gujarat state.
2025

A luboratory evaluation of baits and chemosterilants on the little house fly.
2027

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.
2031

Biotic factors involved in crucifer aphid outbreaks following insecticide application.
2039

An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

Morphology of the head capsule of Aelia rostrata Boh. (Hemiptera: Pentatomidae).
2051

Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps.
2056

Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests.
2063

Preliminary results of attempts to form the advisory board for integrated plant protection.
2113

Annotated list of insects infesting bark and wood of Fraser fir.
2200

Leaf changes brought about by Empoasca flavescens F. (Hom. Typhlocybidae) on apple trees.
2203

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

Chemical control of mango hoppers (Idiocerus spp.).
2211

Male boll weevils are more attractive than cotton plants to boll weevils.
2217

Aphids and leafhoppers found on red clover in eastern Washington.
2221

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

Distribution of hibernating larvae of the western budworm, Choristoneura occidentalis, on Douglas-fir in Colorado.
2226

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control.
2227

Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

Insecticidal control of the sugarcane borer in corn.
2229

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

Inundative releases of Chrysopa carnea for control of Heliothis on cotton.
2231

A technique for evaluating varietal resistance of castor to castor jassid (Empoasca flavescens Fabricius).
2232

Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

Campaign against stored grain pests in villages of IADP District Ludhiana.
2382

INSECT PHYSIOLOGY
On some species of the genus Aretosa C. L. Koch and Tricca Simon (Araneae-Lycosidae).
1892

First reports on the ultrastructure of the alimentary canal of a pseudoscorpion.
1921

Structure and function of the rectal pads in Hymenoptera.
1922

Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera.
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The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia.
1930

The function of the accessory sex glands in Periplaneta americana (L.). I. A quantitative bioassay for the juvenile hormone.
1933

Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

Energy metabolism in insects.
1941

The anal glands of Gryllotalpa gryllotalpa L. ultrastructure and histochemistry.
1948

Light-dark adaptation in acone apposition eyes of insects.
1954

Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

Differential sensitivity of the larvae of Lymantria dispar L. to achromatic stimuli of varied distinctiveness.
1964

The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle.
1972

Principles of crowding effect in Aphis gossypii Glover (Aphididae, Homoptera).
1975

Developmental performance of embryonic blastemas of Drosophila after culture in the adult host.
1977

Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae.
1993

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2051

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2060

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2068

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2069

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2212

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INSECT VECTORS

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Specificity of insect viruses.
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Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

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2118

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2173

The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals.
2179

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2195

Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt virus.
2206

Transmission of maize dwarf mosaic by the greenbug, Schizaphis graminum.
2214

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
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Aphid populations in relation to tristeza in Florida citrus.
2235

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

INSECTICIDE APPLICATION

Vacuum cleaner for use with granular applicators in fieldplot work.
1858

Pre-bloom oil sprays for European red mite control.
1932

Biotic factors involved in crucifer aphid outbreaks following insecticide application.
2039

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control.
2227

Aerial applications of PIB-7 and malathion to suppress populations of Anastrepha suspensa.
2234

Method of controlling and eradicating mites. Patent 3,427,385.
2237

Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

INSECTICIDE RESIDUES
Baygon in field tests against German cockroaches.
1935

The residual contact toxicity to honey bees of insecticides sprayed on to white clover (Trifolium repens L.) in the laboratory.
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Notice of filing of petition regarding pesticide chemicals.
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2402

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules.
2424

The early effects of low DDT doses on the nervous system in animal experiments.
2428

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

INSECTICIDE RESISTANT INSECTS
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1953

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2073

The effects of IPC, CIPC, Sevin and Zectran on Bacillus subtilis.
2132

A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera: Curculionidae).
2207

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2229

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2296

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

Oxidative metabolism of phosphamidon in rats and a goat.
2388

Notice of filing of petition regarding pesticide chemicals.
2390

Notice of filing of petition regarding pesticide chemicals.
2392

Notice of filing of petition regarding pesticide chemicals.
2393

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

Notice of filing of petition regarding pesticide chemicals.
2412

Notice of filing of petition regarding pesticide chemicals.
2414

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

Behavior of DDT in potatoes during commercial and home preparation.
2418

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

Residues of organochlorine insecticides in dead birds in the United Kingdom.
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2457

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

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2105

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2105

INTERSTATE COMMERCE
Domestic quarantine notices. Cereal leaf beetle.
2201

INTESTINES
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

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2278

Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats.
2280

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom.
2429

IODINE
Metabolism of blood proteins in hens during natural and artificial moulting.
2310

IODINE ISOTOPES
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

IONS
Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.
2264

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.
2406

IPC
The effects of IPC, CIPC, Sevin and Zectran on Bacillus subtilis.
2132

IPOMOEA
Selective action of chloroxuron on soybean and morningglory.
2448

IRIDESCENT VIRUS
Transmission of a mosquito iridescent virus in Aedes taeniorhynchus. I. Laboratory experiments.
2003

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2004

IRRADIATION
Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats.
2280

Thin-layer chromatography of bromacil residues in soils.
2401

IRRIGATION
Epidemiology and prevention of bacterial blight disease of rice in India.
2183

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

ISOBENZAN
Effects of isobenzan on soil fauna and soil structure.
2404

ISOLATES
Bacteriophage reactions and pathogenic spectra of Xanthomonas species to cotton.
2135

ISOPROPOXYPHENYL METHYLCARBAMATE, O
Baygon in field tests against German cockroaches.
1935

ISOTOPES
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

IXODES PERSULCATUS
Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

IXODIDAE
Ticks from Turkey (Acari, Ixodidae).
1900

IXODIDES
Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

JUVENILE HORMONE
The function of the accessory sex glands in Periplaneta americana (L.), I. A quantitative bioassay for the juvenile hormone.
1933

KALANCHOE
Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

KERATINS
Metabolism of blood proteins in hens during natural and artificial moulting.
2310

KERRIA
The presence waxes in two kinds of lac cells.
2006

KIDNEY BEANS
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

KIDNEYS
Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.
2298

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

KINETICS
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

KINETIN
Kinetin-like substances produced by plant tumors.
2125

KLEBSIELLA PNEUMONIAE
Pulmonary diseases of pig in Madagascar.
2335

LABELING
Bacteriophage labeling of Pseudomonas syringae.
2134

LABORATORY ANIMALS
A boll weevil oviposition suppression factor in cotton.
2208

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

The pathogenesis of experimental distemper in mice.
2350

Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

Immunological studies on experimental ascariasis.
2378

The effect of DDT in the diet on the resting and loading electroencephalogram record.
2430

Toxicity of fentin hydroxide to rats.
2431

LAC
The presence waxes in two kinds of lac cells.
2006

LARIX LARICINA
Arceuthobium pusillum on eastern larch in Wisconsin.
2257

LARVAE
New larvae of Trombiculidae (Acaridae), parasites on the mammals of rumania.
1878

The North American Aegeriidae (Lepidoptera): A revision based on late-in tar larvae.
1893

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2003

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2009

The color change of Poecilimon ornatus Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae).
2017

Laboratory and field evaluation of larvicides against chironomid midges.
2018

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
2029

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.
2031

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

Organogenesis of the female reproductive system of an aedine mosquito.
2038

The free amino acid pattern in tissues of silkworm during development.
2049

Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

An artificial diet for larvae and adults of Chrysopa carnea, an insect predator of crop pests.
2063

The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

Aspects of RNA and protein synthesis in imaginal discs of Drosophila melanogaster.
2078

Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

Rhyacia augur F. and other climbing cutworms (Lepidoptera).
2215

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

Effect of attack by Costelytra zealandica (White) larvae on ryegrass varieties.
2218

Distribution of hibernating larvae of the western budworm, Choristoneura occidentalis, on Douglas-fir in Colorado.
2226

Survival of soybean cyst nematodes in seed bags.
2243

Concerning the larva migrans visceralis of Ascaris lumbricoides in the experimental host (mice).
2360

The effect of tetramisole on Muellerius capillaris in goats.
2374

Immunological studies on experimental ascariasis.
2378

LARVICIDES
Laboratory and field evaluation of larvicides against chironomid midges.
2018

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

LASIOCAMPIDAE
Comparative chromatographic investigations of Arthropod cocoons.
1931

LATE BLIGHT
Arsenal for disease control.
2115

LEAD ACETATE
Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats.
2280

LEAF RUST
Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

LEAVES
DDT resistance in barley, Hordeum vulgare- I. Induced mutants for resistance.
2114

Contribution to the application method for fungicides to control potato blight.
2128

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

Leaf changes brought about by Empoasca flavescens F. (Hom. Typhlocybidae) on apple trees.
2203

Preference of green peach aphids for virus-infected sugarbeet leaves.
2224

A technique for evaluating varietal resistance of castor to castor jassid (Empoasca flavescens Fabricius).
2232

LEGISLATION
Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments.
2389

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan.
2408

Notice of filing of petition regarding pesticide chemicals.
2410

Notice of filing of petition regarding pesticide chemicals.
2411

Notice of filing of petition regarding pesticide chemicals.
2412

Notice of filing of petition regarding pesticide chemicals.
2413

Notice of filing of petition regarding pesticide chemicals.
2414

Research and testing of preparations on rodents in the habitat of man.
2442

Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract.
2463

LEGUMINOSAE
Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

LEMA MELANOPA
The control of some species of pest insects by Bacillus thuringiensis.
1953

LEMONS
Notice of withdrawal of petition regarding pesticides.
2394

LEPIDOPTERA
Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae.
1869

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The control of some species of pest insects by Bacillus thuringiensis.
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1879

LEPTOSPIROSIS
Leptospiric abortion pathogenia in sows.
2295

LEPTOTROMBIDIUM
New larvae of Tromhiculidae (Acaridae), parasites on the mammals of rumania.
1878

LESIONS
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.
2276

Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat.
2294

The pathogenesis of ovine Contagious Ecthyma.
2307

Embryologic development of an anomaly of ocular fundus in the Collie dog.
2312

A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle.
2346

LETHAL FACTOR
5-aminoacridine induced crossing over in the Drosophila male.
2082

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1929

LETTUCE
Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona.
2159

LEUCOMA SALICIS
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975).
1967

LEUCOPHAEA MADERAE
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

LEUKEMIA
Leucosis in swine as a finding from carcass inspection.
2281

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

Studies on the tumours of the domestic animals. I. Lymphatic leucaemia of the swine.
2308

LEUKOSIS
Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.
2334

LIFE CYCLE
The life history of Tribolium castaneum (Herbst) (Coleoptera, Tenebrionidae).
1994

LIGHT
Light-dark adaptation in acone apposition eyes of insects.
1954

Differential sensitivity of the larvae of Lymantria dispar L. to achromatic stimuli of varied distinctiveness.
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2000

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.
2133

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

LIGHT TRAPS
Some interesting Noctuidae finds from the Tessin.
1908

The relative abundance of species in a wild population of Macro-Lepidoptera.
1985

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.
1986

Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps.
2056

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp.
2057

LIGNIN
Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

LIMA BEANS
The rapid development and spread of strain B downy mildew of lima beans.
2198

LIMONIIDAE
Sampling to detect economic infestations of Limonius spp.
2022

LINDANE
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

LINE PATTERN
Line pattern disease of raspberry.
2118

LINURON
Adsorption of some pesticides on soils, clay minerals and humic acid.
2420

LIPIDS
Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of Pyrrhocoris apterus L. in connection with the reproduction process.
1989

Developmental changes in the late larva of Calliphora stygia. I. Haemolymph.
1998

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2055

Coenzyme Q10 in Brucella abortus Bang.
2345

LIVER
Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

Concerning the larva migrans visceralis of Ascaris lumbricoides in the experimental host (mice).
2360

LIVER DISEASES
Eczema and liver disease in dogs (hepatodermal syndrome).
2287

Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

LIVESTOCK
P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation.
2271

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.
2366

Notice of filing of petition regarding pesticide chemicals.
2395

LIVESTOCK DISEASES
Mechanism of the ring forming in the ABR test.
2274

Mechanism of the sediment forming in the agglutination test performed with Brucella abortus suspension.
2275

Moldy feeds pose hazard.
2277

Leucosis in swine as a finding from carcass inspection.
2281

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

Contagious bovine pleuropneumonia, its treatment and control.
2286

Enterotoxaemia: Deadly disease of sheep.
2290

History and epidemiology of rabies in wildlife in New York.
2293

Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat.
2294

Leptospiric abortion pathogenia in sows.
2295

Mycotoxicoses.
2297

Experimental Pasteurella multocida infection in chickens exposed to cold: Biochemical and bacteriological investigations.
2301

Study on the incidence and etiology of mastitis in sows.
2302

Salmonella species. First isolations, names and occurrence. QR82.S27K4.
2303

Parterol, Drugs for veterinary use; drug efficacy study implementation.
2304

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

Studies on the tumours of the domestic animals. I. Lymphatic leucaemia of the swine.
2308

Studies on the tumours of the domestic animals. II. Tumours of the swine.
2309

Dr. Mayfield ML-23. Drugs for veterinary use - drug efficacy study implementation.
2314

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

Immunity in ewes resulting from natural exposure to Vibrio fetus.
2321

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.
2324

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle.
2326

Mastitis: Its causes and cure.
2328

Experiments for liquidating abortions in ewes on sheep farms with abortions.
2330

Mycoplasma infection in a Wisconsin dairy herd.
2333

Serological differentiation of mycoplasma in swine.
2338

Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Eperythrozoon in cattle in Malagasy Republic.
2347

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna).
2359

The effect of dimethialium on experimental chicken coccidosis.
2377

LOLIUM
Effect of attack by Costelytra zealandica (White) larvae on ryegrass varieties.
2218

LONGEVITY
The role of moisture in the winter survival of the boll weevil complex in Arizona. 2001

The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions. 2140

LOOSE SMUT
Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145

LUCILIA CUPRINA
Automated sexing of pupae and its usefullness in control by sterile insects. 2097

LUMINESCENCE
Flashes of Photuris fireflies: Their value and use in recognizing species. 2005

LUNGS
Pulmonary diseases of pig in Madagascar. 2335

Concerning the larva migrans visceralis of Ascaris lumbricoides in the experimental host (mice). 2360

LYCOSIDAE
On some species of the genus Arctosa C. L. Koch and Tricca Simon (Araneae-Lycosidae). 1892

LYGAEIDAE
A new species of Elasmolomus (Heteroptera: Lygacidae) from Australia. 1910

LYMPHATIC SYSTEM
Studies on the tumours of the domestic animals. I. Lymphatic leucaemia of the swine. 2308

Lymphocytic thyroiditis in the dog. 2320

LYMPHOCYTES
Effects of whole-body irradiation on baby pigs (Sus scrofa). 2283

The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443

LYMPHOCYTIC THYROIDITIS
Lymphocytic thyroiditis in the dog. 2320

LYMPHOPENIA
Effects of whole-body irradiation on baby pigs (Sus scrofa). 2283

MACROLEPIDOPTERA
The relative abundance of species in a wild population of Macro-Lepidoptera. 1985

MACROPHOMINA PHASEOLI
Fruit rot of papaya (Carica papaya L.) caused by Macrophomina phaseoli (Maubl). Ashby. 2143

MACROSIPHUM AVENAE
Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059

MAGGOTS
Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355

MAGNESIUM
Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116

The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341

MALAOXON
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080

MALATHION
Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera. 1925

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080

Aerial applications of PIB-7 and malathion to suppress populations of Anastrepha suspensa. 2234

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR). 2238

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379

Campaign against stored grain pests in villages of IADP District Ludhiana. 2382

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods. 2398

Adsorption of some pesticides on soils, clay minerals and humic acid. 2420

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

MALEIC HYDRAZIDE
The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443

MALLOPHAGA
A new species of Otidoecus. (Philopteridae, Mallophaga). 1873

MALONIC ACID
Vetistat. Drugs for veterinary use - drug efficacy study implementation. 2272

MALPIGHIAN TUBES
Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera. 1925

MAMMALS
A remarkable tick found on a tarsier (Heterocoptidae f. n.:Sarcoptiformes). 1957

MAMMARY GLANDS
Mastitis: Its causes and cure. 2328

MANDUCA SEXTA
Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057

Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058

MANEB
Arsenal for disease control. 2115

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406

MANGOES
Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924

Chemical control of mango hoppers (Idiocerus spp.). 2211

MANNITOL
Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen. 2186

MANTIS RELIGIOSA
A review of the praying mantises of Ghana. (Dictyoptera Mantodea). 1905

MARASMIUS PALMIVORUS
Evaluation of fungicides for use against Marasmius palmivorus on oil palms. 2191

MARSHES
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

MASTITIS
Study on the incidence and etiology of mastitis in sows. 2302

Mastitis: Its causes and cure. 2328

Mycoplasma infection in a Wisconsin dairy herd. 2333

MATHEMATICAL ANALYSIS
On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990

MATING HABITS
Genetic heterogeneity among the founders of laboratory populations of Drosophila melanogaster. II. Mating behaviour. 2081

MEASLES VIRUS
Presence of antibodies against Rinderpest in dromedary in Chad. 2318

MEASUREMENT
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421

Omega, a useful index of soil sorption equilibria. 2464

MEAT
Fatty tissue biopsy in pigs. 2299

Salmonella infection in calves and other animals. II. Comparison of selective media. 2325

Notice of filing of petition regarding pesticide chemicals. 2392

Notice of filing of petition regarding pesticide chemicals. 2393

Notice of filing of petition regarding pesticide chemicals. 2395

MEAT INSPECTION
Leucosis in swine as a finding from carcass inspection. 2281

MECHANIZATION
Modern methods of disease control in florist and nursery crops.
2117

Coated celery seed aids mechanization efforts.
2470

MEDICAL ENTOMOLOGY
Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

MELANINS
Biochemical studies on Sclerotium rolfsii Sacc.
2144

MELOE
Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species.
1903

MELOIDAE
Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species.
1903

The acclimatization of Zonabris variabilis Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction.
1946

MELOIDOGYNE
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

Nebraska root-gall nematode of sugar beets.
2253

MELOIDOGYNE HAPLA
Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

MELOIDOGYNE JAVANICA
Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

MENAZON
Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965.
1960

MERCURY
Evaluation of fungicides for use against Marasmius palmivorus on oil palms.
2191

MERCURY COMPOUNDS
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

METABOLISM
Energy metabolism in insects.
1941

Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae.
1993

Effect of dimethyl sulfoxide on tobacco mosaic.
2165

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow.
2296

Metabolism of blood proteins in hens during natural and artificial moulting.
2310

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.
2324

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism.
2341

Oxidative metabolism of phosphamidon in rats and a goat.
2388

METABOLITES
Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow.
2296

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

Notice of filing of petition regarding pesticide chemicals.
2414

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
2415

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

METAMORPHOSIS
The morphological basis of embryonic movements in the light brown apple moth, Epiphyas postvittana (Walk.) (Lepidoptera: Tortricidae).
1918

Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma.
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1994

The ecology of Sminthurus viridis (Collembola). II. Diapause in the aestivating egg.
2066

METEOROLOGY
A portable instrumented tower for use in meteorologically related research.
2468

METHODOLOGY
A numerical taxonomy of orthopteroid insects.
1871

Rainbow's end: The quest for an optimal taxonomy.
1885

Selection methods for pathogenic forms of microorganisms.
1956

Physiological bases for the luring and catching of insects.
2069

Scorpion preservation for taxonomic and morphological studies.
2070

A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum.
2123

A laboratory assay for determining pathogenicity of Phytophthora spp. to tomato.
2169

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.
2298

Salmonella infection in calves and other animals. II. Comparison of selective media.
2325

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.
2398

Simplified method of preparing column materials for gas-liquid chromatographic separation of some pesticides.
2465

METHOXYCHLOR
Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965.
1960

METHYL BROMIDE
Bromide residues from methyl bromide fumigation of food commodities.
2399

METHYL PARATHION
A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton, 1967.
1962

MEVINPHOS
Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

MICE
Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

The pathogenesis of experimental distemper in mice.
2350

Concerning the larva migrans visceralis of Ascaris lumbricoides in the experimental host (mice).
2360

Immunological studies on experimental ascariasis.
2378

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).
2427

MICROORGANISMS
Selection methods for pathogenic forms of microorganisms.
1956

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2079

Host resistance responses- an induction hypothesis.
2139

The effect of molds on the enzymic activity, respiration and viability of stored grain.
2381

The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuehn.
2451

MICROSCOPY
Morphological and histochemical study of the scent gland in the pond-skater, Gerris spinolae Leth. et Seu. (Gerridae-Insecta).
2032

Determination of the water content of nematode worms by interference microscopy.
2242

The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276

MICROSOMES
Aflatoxin metabolism by liver microsomal preparations of two different species. 2332

Epoxidation of aldrin by plant materials. 2457

MILK
Mechanism of the ring forming in the ABR test. 2274

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

Mastitis: Its causes and cure. 2328

Oxidative metabolism of phosphamidon in rats and a goat. 2388

Notice of filing of petition regarding pesticide chemicals. 2393

Improved method for determination of sulfonamides in milk and tissues. 2425

MILK ANALYSIS
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265

Study on the incidence and etiology of mastitis in sows. 2302

Mycoplasma infection in a Wisconsin dairy herd. 2333

MILK FEVER
Parterol, Drugs for veterinary use; drug efficacy study implementation. 2304

MIRIDAE
Megacoelum Fieber, 1858 (Hem. Het. Miridae). 1915

Two new Orthops-species from north Africa (Heteroptera, Miridae). 1916

MITES
Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228

Method of controlling and eradicating mites. Patent 3,427,385. 2237

Control of the northern fowl mite on laying hens with Shell SD-8447. 2358

MITOMYCINS
The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster. 1979

MITOSIS
The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443

MOLDS
Moldy feeds pose hazard. 2277

The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323

The effect of molds on the enzymic acivity, respiration and viability of stored grain. 2381

MOLECULES
Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292

MOLTING (INSECTS)
Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma. 1983

MOMORDICA CHARANTIA
Cucurbit virus studies in Hawaii. 2172

MONILIALES
Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187

MONKEYS
The pathogenesis of ovine Contagious Ecthyma. 2307

Toxoplasma gondii in tissue culture and maintenance at low temperatures. 2363

MONOSODIUM ACID METHANEARSONATE
Degradation of monosodium methanearsonic acid by soil microorganisms. 2461

MONTMORILLONITE
Adsorption of 3-aminotriazole by montmorillonite. 2466

MORPHOLOGY
Rondonema thapari n. sp. from the millipede (Spirostreptus sp.). 1958

On a known and some new species of insect nematodes. 1959

Ontogeny of vessels influence the development of Verticillium in young cotton plants. 2166

MORTALITY
Effects of apholate on the alfalfa weevil. 2053

Reduction in mortality of peach trees following preplant soil fumigation. 2103

Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan. 2129

Ear removal and cell death rate in corn stalk tissue. 2163

Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379

MOSAIC
Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127

Local reaction and cross protection for strains of squash mosaic virus. 2131

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142

Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona. 2159

Effect of dimethyl sulfoxide on tobacco mosaic. 2165

Distribution of cucurbit viruses in Kansas. 2171

Cucurbit virus studies in Hawaii. 2172

Properties of a virus causing pokeweed mosaic. 2173

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178

Purification and properties of broad bean wilt virus. 2189

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190

Preference of green peach aphids for virus-infected sugarbeet leaves. 2224

MOTTLE
Effects of temperature on expression and transmission of stubborn disease of citrus. 2161

Purification and properties of broad bean wilt virus. 2189

MOUTH
Stability of Escherichia coli endotoxin in the rat gastrointestinal tract. 2279

Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280

MOUTH PARTS
Morphology of the head capsule and its appendages of Stenthorus gilvifrons Mulsant (Coleoptera: Coccinellidae). 2010

MUCOIDS
The anal glands of Gryllotalpa gryllotalpa L. ultrastructure and histochemistry. 1948

MUCUS
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from Bacillus subtilis. 2467

MUELLERIUS CAPILLARIS
The effect of tetramisole on Muellerius capillaris in goats. 2374

MUSCA AUTUMNALIS
Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927

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MUSCA DOMESTICA
Competitive mating tests between normal and aspermic male house flies. 2035

MUSCLES
The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930

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Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis. 2438

MUTATION
The effects of IPC, CIPC, Sevin and Zectran on Bacillus subtilis. 2132

MUTATIONS
5-aminoacridine induced crossing over in the Drosophila male.
2082

MYCELIUM
A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle.
2346

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium batatticola.
2456

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

MYCOBACTERIUM
Mycobacterium buruli lesions in the fruit bat web.
2284

MYCOPLASMA
Mycoplasma infection in a Wisconsin dairy herd.
2333

Serological differentiation of mycoplasma in swine.
2338

Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of Mycoplasma agents from infected sheep eyes.
2344

MYCOPLASMA GALLISEPTICUM
Food additives permitted in food for human consumption. Tylosin.
2407

MYCOPLASMA MYCOIDES
Contagious bovine pleuropneumonia, its treatment and control.
2286

MYCOSIS
Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

MYCOTOXICOSIS
Mycotoxicoses.
2297

A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle.
2346

MYRMECIA PYRIFORMIS
Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis.
2438

MYROBALAN PLUMS
Stem pitting of Italian prune.
2124

MYXOVIRUSES
Infrared spectography of myxoviruses.
2291

MYZUS PERSICAE
Performance of the English grain aphid on sterilized and unsterilized artificial diet.
2059

Preference of green peach aphids for virus-infected sugarbeet leaves.
2224

NACOBBUS BATATIFORMIS
Nebraska root-gall nematode of sugar beets.
2253

NATURAL HISTORY
New longicorns of the Museum of Natural History at Geneva.
1872

NEMATOCIDES
Reduction in mortality of peach trees following preplant soil fumigation.
2103

NEMATODE MORPHOLOGY
Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

NEMATODE POPULATION
Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

NEMATODE POPULATIONS
Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

NEMATODE VECTORS
Saprozoic nematodes transmit Streptomyces phage.
2245

NEMATODES
Rondonema thapari n. sp. from the millipede (Spirostreptus sp.).
1958

On a known and some new species of insect nematodes.
1959

An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard.
2241

Determination of the water content of nematode worms by interference microscopy.
2242

Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract).
2373

The effect of tetramisole on Muellerius capillaris in goats.
2374

Immunological studies on experimental ascariasis.
2378

NEODIPRION SERTIFER
Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

NEOPLASMS
Studies on the tumours of the domestic animals. I. Lymphatic leucaemia of the swine.
2308

Studies on the tumours of the domestic animals. II. Tumours of the swine.
2309

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.
2334

Hemangiosarcoma in a dog.
2342

Transmission of equine sarcoid.
2348

NERVES
The development of the thorax muscles of Periplaneta after cutting of individual nerves. Preliminary report.
2021

Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration.
2060

NERVOUS SYSTEM
Description and distribution of the neurosecretory cells in brain and ventral ganglia of Lethocerus indicum Lep. et Serv. (Heteroptera-Belostomatidae).
1928

Studies on the morphology of Lethocerus indicum Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata.
1929

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Action of nicotine on neural transmission in the American cockroach (Periplaneta americana (L.)).
1963

Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

NEUROPTERA
Structures of unknown, possibly stridulatory, function of the wings and body of Neuroptera, with an appendix on other endopterygote orders.
2034

NEUROSECRETION
Description and distribution of the neurosecretory cells in brain and ventral ganglia of Lethocerus indicum Lep. et Serv. (Heteroptera-Belostomatidae).
1928

NICOTIANA GLUTINOSA
Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

NICOTINE
Action of nicotine on neural transmission in the American cockroach (Periplaneta americana (L.)).
1963

NINHYDRIN REACTION
Separation of the free ninhydrin-positive fractions in Phormia and Drosophila using two-dimensional high voltage electrophoresis.
1940

NITRATES
Nodulation of Medicago sativa in solution culture. III. Effects of nitrate on root hairs and infection.
2157

NITRO-4-HYDROXYPHENYLARSONIC ACID, 3-
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid.
2268

NITROGEN
Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of Pyrrhocoris apterus L. in connection with the reproduction process.
1989

Inhibition of growth of Bacillus thuringiensis by amino acids in defined media.
2050

A comparative study on urea sprays upon some deciduous fruit trees.
2100

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

NITROGEN-FIXING BACTERIA
Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

NOCTUIDAE
Some interesting Noctuidae finds from the Tessin.
1908

Comparative chromatographic investigations of Arthropod cocoons.
1931

Rhyacia augur F. and other climbing cutworms (Lepidoptera).
2215

NODULES (PLANTS)
Nodulation of Medicago sativa in solution culture. III. Effects of nitrate on root hairs and infection.
2157

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

NOMENCLATURE
Salmonella species. First isolations, names and occurrence. QR82.S27K4.
2303

NUCLEAR POLYHEDROSIS VIRUS
Report of third work conference on the use of nuclearpolyhedrosis virus for control of Heliothis species.
1934

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The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in Drosophila melanogaster.
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Variations of nucleic acid content in the salivary glands of Drosophila hydei during late larval development.
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2050

Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen.
2186

OATS
Inheritance of crown rust resistance in Avena sterilis.
2108

Additional sources of tolerance to oat crown rust.
2176

A new source of high protein in oats.
2193

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

OESOPHAGOSTOMUM
Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

OILS
Pre-bloom oil sprays for European red mite control.
1932

OLFACTOMETERS
Studies on the attack behavior of the southern pine bettle. II. Response to attractive host material.
1943

Studies on the attack behavior of the southern pine bettle. IV. Influence of host condition on aggregation pattern.
2064

ONIONS
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

ONTOGENY
Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

OOGENESIS
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Ceeropia oocytes.
1919

Studies on the physiology of the fat body of Pyrrhocoris apterus L.
2008

OPISTHOSCELIS
Studies on the morphology and relationships of male Apiomorpha and Opisthoscelis (Hemiptera: Coccoidea).
2061

ORANGES
Trapping for control of the Mexican fruit fly in mango and citrus groves.
1924

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

ORCHARDS
The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Progress report on Johnsongrass control in orchards.
2256

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

ORGANIC COMPOUNDS
Evaluation of fungicides for use against Marasmius palmivorus on oil palms.
2191

ORGANOPHOSPHATES
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

ORGANOPHOSPHORUS COMPOUNDS
Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, Prodenia litura F. under field conditions.
2073

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

Inheritance of resistance to organophosphorus acaricides in the cattle tick, Boophilus microplus.
2092

A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera: Curculionidae).
2207

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR).
2238

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides.
2465

ORGANOPHOSPHORUS INSECTICIDES
The residual contact toxicity to honey bees of insecticides sprayed on to white clover (Trifolium repens L.) in the laboratory.
1942

ORIBATEI
New species of horn mites (Acariformes, Aribatei) from the Caucasus and Transcaucasia.
1889

ORNITHINE
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

ORNITHONYSSUS SYLVIARUM
Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

ORTHOPTERA
Orthopterological notes. XXII. The genus Myrmecophilus Berth. in Italy.
1866

A numerical taxonomy of orthopteroid insects.
1871

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. L. Orthoptera Gryllodea.
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2096

ORYZAEPHILUS SURINAMENSIS
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

OSMOSIS
Effect of the venom of the bee Apis mellifera on osmotic fragility of cattle RBC.
2434

OULEMA MELANOPUS
Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

OVARIES
On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat Heteropeza pygmaea Winnertz 1846 (Diptera, Cecidomyiidae).
2030

OVIPOSITION
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

Influence of moisture content of bovine feces on oviposition and development of the face fly.
1927

Oviposition preference by Costelytra zealandica (White). II.
1997

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2101

A boll weevil oviposition suppression factor in cotton.
2208

OVULATION
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

OXALIC ACID
Vetistat. Drugs for veterinary use - drug efficacy study implementation.
2272

OXIDATION
Oxidative metabolism of phosphamidon in rats and a goat.
2388

Epoxidation of aldrin by plant materials.
2457

OXIDES
Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

OXYDEMETONMETHYL
Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

OXYGEN
Signs of water pollution in the Riviere des Prairies.
2385

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

PACHYDIPLOSIS ORYZAE
Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes on its biology.
2002

PALMAE
Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

PAMPHILIIDAE
Record of Acantholyda circumcincta (Hymenoptera: Pamphiliidae) in Florida.
2210

PANCREAS
The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.
2276

PANONYCHUS ULMI
Pre-bloom oil sprays for European red mite control.
1932

PAPAYAS
Fruit rot of papaya (Carica papaya L.) caused by Macrophomina phaseoli (Maubl). Ashby.
2143

PARACOLOBACTRUM ARIZONAE
Research on diseases of poultry.
2331

PARAQUAT
Selective herbicides control weeds in lucerne at Cowra.
2262

PARASITES
A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna).
2359

Immunological studies on experimental ascariasis.
2378

PARASITIC INSECTS
Some species of Pediobius Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls.
1864

Records of predators and parasites naturally prevalent in the Gujarat state.
2024

An annotated list of hymenopterous parasites of citrus soft scales in Israel.
2041

Chambers for incubating individual insect eggs and egg parasites.
2054

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

PARASITIC NEMATODES
Rondonema thapari n. sp. from the millipede (Spirostreptus sp.).
1958

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

PARASITISM
A new species of Otidoecus. (Philopteridae, Mallophaga).
1873

Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

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2029

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2048

Reduction in mortality of peach trees following preplant soil fumigation.
2103

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

Mutual antagonism between Heterodera tabacum and some other parasitic nematodes.
2248

Arceuthobium pusillum on eastern larch in Wisconsin.
2257

Pulmonary diseases of pig in Madagascar.
2335

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

Arthropod parasites on the starling, Sturnus vulgaris L., in southwest Virginia.
2356

Concerning the larva migrans visceralis of Ascaris lumbricoides in the experimental host (mice).
2360

Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica.
2361

Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride.
2362

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.
2366

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation.
2369

D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation.
2370

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.
2371

Vermex poultry tablets and vermex powder Drugs for veterinary use - drug efficacy study implementation.
2372

Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract).
2373

Sparganosis in a cat.
2376

The effect of dimethialium on experimental chicken coccidosis.
2377

PARATHION
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).
2427

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

PARTICLE SIZE DETERMINATION
Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.
2031

Purification and properties of broad bean wilt virus.
2189

PASTEURELLA MULTOCIDA
Experimental Pasteurella multocida infection in chickens exposed to cold: Biochemical and bacteriological investigations.
2301

Pulmonary diseases of pig in Madagascar.
2335

PASTURE MANAGEMENT
Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules.
2424

PASTURES
Oviposition preference by Costelytra zealandica (White). II.
1997

PATANGA
A note on the outbreak of the Bombay locust, Patanga succincta, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967.
1939

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2237

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2264

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2265

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.
2298

PATHOGENIC BACTERIA
Bacteriophage reactions and pathogenic spectra of Xanthomonas species to cotton.
2135

PATHOGENICITY
A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum.
2123

Bacteriophage reactions and pathogenic spectra of Xanthomonas species to cotton.
2135

A laboratory assay for determining pathogenicity of Phytophthora spp. to tomato.
2169

PATHOLOGY
Epidemiology and prevention of bacterial blight disease of rice in India.
2183

PEACHES
Reduction in mortality of peach trees following preplant soil fumigation.
2103

Bacteriophage labeling of Pseudomonas syringae.
2134

Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

PEANUTS
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.
2405

PEAS
Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi.
2146

An approach to the study of the population dynamics of Aphanomyces euteiches in soil.
2155

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

PEDIOBIUS
Some species of Pediobius Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls.
1864

PENICILLIN
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377.
2265

PENICILLINS
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from Bacillus subtilis.
2467

PENICILLIUM
Mycotoxicoses.
2297

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

The effect of molds on the enzymic acivity, respiration and viability of stored grain.
2381

PENTACHLORONITROBENZENE
Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

PENTACHLOROPHENOL
Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

PENTATOMIDAE
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

Morphology of the head capsule of Aelia rostrata Boh. (Hemiptera: Pentatomidae).
2051

PEPTIDES
Separation of the free ninhydrin-positive fractions in Phormia and Drosophila using two-dimensional high voltage electrophoresis.
1940

Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from Bacillus subtilis.
2467

PERIPLANETA
The development of the thorax muscles of Periplaneta after cutting of individual nerves. Preliminary report.
2021

PERIPLANETA AMERICANA
Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera.
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2007

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Infectious peritonitis in cats.
2351

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The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
1971

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1972

PERONOSPORA TABACINA
Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes.
2187

PEROXYACETYL NITRATE
Air pollution damage to chrysanthemum foliage.
2387

PEST CONTROL
Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae.
1993

Bats in California.
2357

Campaign against stored grain pests in villages of IADP District Ludhiana.
2382

PESTICIDE APPLICATION
Contribution to the application method for fungicides to control potato blight.
2128

Omega, a useful index of soil sorption equilibria.
2464

PESTICIDE RESIDUES
Oxidative metabolism of phosphamidon in rats and a goat.
2388

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments.
2389

Notice of filing of petition regarding pesticide chemicals.
2391

Notice of filing of petition regarding pesticide chemicals.
2392

Notice of filing of petition regarding pesticide chemicals.
2393

Notice of withdrawal of petition regarding pesticides.
2394

Notice of filing of petition regarding pesticide chemicals.
2395

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Biochemical transformations of pesticides by soil micro-organisms.
2397

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.
2398

Bromide residues from methyl bromide fumigation of food commodities.
2399

Thin-layer chromatography of bromacil residues in soils.
2401

Residues in pasture following application of a granular heptachlor preparation.
2403

Effects of isobenzan on soil fauna and soil structure.
2404

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.
2406

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan.
2408

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole.
2409

Notice of filing of petition regarding pesticide chemicals.
2410

Notice of filing of petition regarding pesticide chemicals.
2411

Notice of filing of petition regarding pesticide chemicals.
2412

Notice of filing of petition regarding pesticide chemicals.
2413

Notice of filing of petition regarding pesticide chemicals.
2414

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
2415

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram.
2417

Behavior of DDT in potatoes during commercial and home preparation.
2418

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

Residues of organochlorine insecticides in dead birds in the United Kingdom.
2422

Effect of soil systemic insecticides on flavor and residue in coffee
2423

Improved method for determination of sulfonamides in milk and tissues.
2425

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

PESTICIDES
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

Biochemical transformations of pesticides by soil micro-organisms.
2397

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.
2406

Adsorption of some pesticides on soils, clay minerals and humic acid.
2420

Research and testing of preparations on rodents in the habitat of man.
2442

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides.
2465

Adsorption of 3-aminotriazole by montmorillonite.
2466

PETROLEUM
Pre-bloom oil sprays for European red mite control.
1932

PHAGOCYTES
Antigen conversion in Salmonella. XI. Conversio in the N(O:30) group.
2437

PHARMACOLOGY
Action of nicotine on neural transmission in the American cockroach (Periplaneta americana (L.)).
1963

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis.
2438

PHENOLASES
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

PHENOLS
Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

PHENOTHIAZINE
Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.
2372

PHERMONES
Attraction of female boll weevils to traps baited with males or extracts of males.
1945

PHEROMONES
Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests.
1978

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.
1986

Isolation of a sex pheromone of the codling moth.
2013

Artificial sex pheromones for the codling moth.
2014

Isolation of the population aggregating pheromone of the southern pine beetle.
2033

Insect and host factors in the aggregation of the southern pine beetle.
2065

Male boll weevils are more attractive than cotton plants to boll weevils.
2217

PHILOPTERIDAE
A new species of Otidoecus. (Philopteridae, Mallophaga).
1873

PHLOEM
A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum.
2123

PHORATE
Notice of filing of petition regarding pesticide chemicals.
2390

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

Effect of soil systemic insecticides on flavor and residue in coffee.
2423

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

PHORMIA REGINA
Separation of the free ninhydrin-positive fractions in Phormia and Drosophila using two-dimensional high voltage electrophoresis.
1940

PHOSPHAMIDON
Oxidative metabolism of phosphamidon in rats and a goat.
2388

PHOSPHATES
Control tests against Dacus oleae Gmel. in the coastal region of Tuscany during 1965.
1960

Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

PHOSPHINE
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

PHOSPHORUS
Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

Effect of soil systemic insecticides on flavor and residue in coffee.
2423

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

PHOSPHORUS ISOTOPES
32P and 35S transfer from susceptible wheat to Erysiphe graminis f. sp. tritici during primary infection.
2156

PHOTOCHEMISTRY
Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

PHOTOPERIODISM
Modified container for study of photoperiodism.
1857

Hints on the permanent rearing of Dacus oleae Gmelin (Diptera, Tyrpetidae)in the laboratory.
1938

On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975).
1967

Laboratory rearing of aphids.
2019

Photoperiodic induction of vernal phenotype in Pieris protodice Boisduval and Le Conte (Lepidoptera: Pieridae).
2047

PHOTURIS
Flashes of Photuris fireflies: Their value and use in recognizing species.
2005

PHTHORIMAEA OPERCULELLA
Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
2029

PHYLLOCOPTRUTA OLEIVORA
The feeding behavior and biology of Paraphonematus acaciae (Acarina: Tydeidae).
2225

PHYSIOLOGY
Experimental investigation into the physiological change in color of Hirudinea.
2375

Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

Effect of the venom of the bee Apis mellifera on osmotic fragility of cattle RBC.
2434

PHYTOLACCA AMERICANA
Properties of a virus causing pokeweed mosaic.
2173

PHYTOPHAGOUS INSECTS
Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

PHYTOPHTHORA
A laboratory assay for determining pathogenicity of Phytophthora spp. to tomato.
2169

Phytophthora crown and root rot of hops in California.
2181

PHYTOPHTHORA CACTORUM
A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum.
2123

PHYTOPHTHORA CAPSICI
Cytology of the sporangium of Phytophthora capsici.
2194

PHYTOPHTHORA CINNAMOMI
Phytophthora cinnamomi Rands on conifers in New South Wales.
2121

PHYTOPHTHORA PHASEOLI
The rapid development and spread of strain B downy mildew of lima beans.
2198

PHYTOTOXICITY
Chemical and biological properties of phytotoxic glycopeptides isolated from Corynebacterium michiganense.
2167

Several factors affecting adsorption of atrazine and diphenamid by soils.
2386

Selective action of chloroxuron on soybean and morningglory.
2448

PICEA MARIANA
Arceuthobium pusillum on eastern larch in Wisconsin.
2257

PIERIDAE
Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae.
1869

PIERIS
Photoperiodic induction of vernal phenotype in Pieris protodice Boisduval and Le Conte (Lepidoptera: Pieridae).
2047

PIERIS BRASSICAE
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975).
1967

PIGMENTS
Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration.
2060

Experimental investigation into the physiological change in color of Hirudinea.
2375

PINUS BANKSIANA
Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

PINUS CLAUSA
Record of Acantholyda circumcincta (Hymenoptera: Pamphiliidae) in Florida.
2210

PINUS ELLIOTTII
Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

PINUS PONDEROSA
Comandra rust damage to ponderosa pine in Oregon and Washington.
2104

PINUS RESINOSA
Fluctuations in the population of Schizolachnus piniradiatae (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967.
2048

Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

PINUS SYLVESTRIS
Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

PINUS TAEDA
Studies on the attack behavior of the southern pine bettle. IV. Influence of host condition on aggregation pattern.
2064

PIPERAZINE
Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.
2372

PITHOMYCES CHARTARUM
Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

PITUITARY GLAND
P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation.
2271

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

PLANT ABNORMALITIES
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

PLANT ADAPTATION
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

PLANT ANATOMY
Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants.
2145

PLANT BIOCHEMISTRY
A new source of high protein in oats.
2193

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

PLANT BREEDING
Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Resistance to brown stem rot in soybeans.
2102

Inheritance of crown rust resistance in Avena sterilis.
2108

Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

Local reaction and cross protection for strains of squash mosaic virus.
2131

Heritability of seeding disease characteristics in flax.
2162

The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals.
2179

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

PLANT CYTOLOGY
Cytology of the sporangium of Phytophthora capsici.
2194

PLANT DISEASE CONTROL
Arsenal for disease control.
2115

Modern methods of disease control in florist and nursery crops.
2117

PLANT DISEASE RESISTANCE
Specificity of insect viruses.
1987

Resistance to brown stem rot in soybeans.
2102

Inheritance of crown rust resistance in Avena sterilis.
2108

Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

Phytophthora cinnamomi Rands on conifers in New South Wales.
2121

A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum.
2123

Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.
2127

Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

Local reaction and cross protection for strains of squash mosaic virus.
2131

Host resistance responses- an induction hypothesis.
2139

Grain yield of corn reduced by maize dwarf mosaic virus infection.
2141

Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants.
2145

Biochemical control of disease resistance in plants.
2147

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

Heritability of seeding disease characteristics in flax.
2162

Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valticky variety, to some fungus diseases.
2170

Cucurbit virus studies in Hawaii.
2172

Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Additional sources of tolerance to oat crown rust.
2176

The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals.
2179

Epidemiology and prevention of bacterial blight disease of rice in India.
2183

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn.
2190

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

A new source of high protein in oats.
2193

PLANT DISEASE TRANSMISSION
Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

32P and 35S transfer from susceptible wheat to Erysiphe graminis f. sp. tritici during primary infection.
2156

PLANT DISEASES

Effects of temperature on expression and transmission of stubborn disease of citrus.
2161

Properties of a virus causing pokeweed mosaic.
2173

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966.
2192

Transmission of maize dwarf mosaic by the greenbug, Schizaphis graminum.
2214

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

Aphid populations in relation to tristeza in Florida citrus.
2235

PLANT DISEASES
Resistance to brown stem rot in soybeans.
2102

Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962.
2105

Inheritance of crown rust resistance in Avena sterilis.
2108

Problems in plant pathology and entomology field trials.
2109

Preliminary results of attempts to form the advisory board for integrated plant protection.
2113

Modern methods of disease control in florist and nursery crops.
2117

Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

Host resistance responses- an induction hypothesis.
2139

Nodulation of Medicago sativa in solution culture. III. Effects of nitrate on root hairs and infection.
2157

Epidemiology and prevention of bacterial blight disease of rice in India.
2183

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

Potato tuber eelworm.
2249

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

PLANT ENZYMES
Biochemical aspects of triazine based herbicides.
2255

PLANT EXTRACTS
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

PLANT GALLS
Some species of Pediobius Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls.
1864

Kinetin-like substances produced by plant tumors.
2125

An incidence of the effect of glycine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

Biochemical analysis of aphid saliva and its importance in gall development.
2233

Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

Nebraska root-gall nematode of sugar beets.
2253

PLANT GENETICS
Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Resistance to brown stem rot in soybeans.
2102

Inheritance of crown rust resistance in Avena sterilis.
2108

Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

DDT resistance in barley, Hordeum vulgare- I. Induced mutants for resistance.
2114

Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

Kinetin-like substances produced by plant tumors.
2125

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

The identification of genes for pathogenicity in Cochliobolus carbonum.
2160

Heritability of seeding disease characteristics in flax.
2162

Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valticky variety, to some fungus diseases.
2170

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

A boll weevil oviposition suppression factor in cotton.
2208

PLANT GROWTH INHIBITORS
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

Selective action of chloroxuron on soybean and morningglory.
2448

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

PLANT HARDINESS
Studies on the attack behavior of the southern pine hettle. IV. Influence of host condition on aggregation pattern.
2064

Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

DDT resistance in barley, Hordeum vulgare- I. Induced mutants for resistance.
2114

Additional sources of tolerance to oat crown rust.
2176

PLANT HORMONES
Growth regulator control of fruit set and development in the highhush blueberry (VACCINIUM CORYMBOSUM L.).
2450

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

PLANT HOSTS
The North American Aegeriidae (Lepidoptera): A revision based on late-in tar larvae.
1893

Macrosiphum alpinum n. sp. (Homoptera: Aphididae).
1898

Concerning knowledge of the order Periommatus Chapuis (Coleoptera, Platypodidae). III.
1901

Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt virus.
2206

Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

PLANT INJURIES
A note on the outbreak of the Bombay locust, Patanga succincta, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967.
1939

Certain minor crop pests hitherto unrecorded from the Gujarat state.
2025

Biotic factors involved in crucifer aphid outbreaks following insecticide application.
2039

A new biotype of cabbage aphid (Brevicoryne brassicae (L.)) on aphid resistant rape (Brassica napus L.).
2220

Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

Citrus-root nematode in Iran.
2246

Potato tuber eelworm.
2249

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Sofar unnoticed damage to fruit trees, brought about by field mice.
2263

Air pollution damage to chrysanthemum foliage.
2387

PLANT METABOLISM
Biochemical aspects of triazine based herbicides.
2255

PLANT MORPHOLOGY
Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

The rapid development and spread of strain B downy mildew of lima beans.
2198

PLANT MUTATION
DDT resistance in barley, Hordeum vulgare- I. Induced mutants for resistance.
2114

Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valticky variety, to some fungus diseases.
2170

PLANT NEMATODE RESISTANCE
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

PLANT NEMATODES
Diseases of sugarbeet in Arizona.
2112

Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

Survival of soybean cyst nematodes in seed bags.
2243

Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

Saprozoic nematodes transmit Streptomyces phage.
2245

Citrus-root nematode in Iran.
2246

Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

Mutual antagonism between Heterodera tabacum and some other parasitic nematodes.
2248

Potato tuber eelworm.
2249

Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Nebraska root-gall nematode of sugar beets.
2253

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

PLANT NUTRITION
A comparative study on urea sprays upon some deciduous fruit trees.
2100

Citrus-root nematode in Iran.
2246

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

PLANT PEST CONTROL
Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes on its biology.
2002

Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962.
2105

Potato tuber eelworm.
2249

PLANT PEST RESISTANCE
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of Heliothis spp. and other pests of cotton. 1967.
1962

Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

Scientists attack corn borer.
2202

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

A boll weevil oviposition suppression factor in cotton.
2208

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

A new biotype of cabbage aphid (Brevicoryne brassicae (L.)) on aphid resistant rape (Brassica napus L.).
2220

A technique for evaluating varietal resistance of castor to castor jassid (Empoasca flavescens Fabricius).
2232

PLANT PHYSIOLOGY
A comparative study on urea sprays upon some deciduous fruit trees.
2100

Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.
2127

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.
2133

The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

Grain yield of corn reduced by maize dwarf mosaic virus infection.
2141

Biochemical control of disease resistance in plants.
2147

Survival of Fomes annosus spores in soil.
2148

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

Cytology of the sporangium of Phytophthora capsici.
2194

The rapid development and spread of strain B downy mildew of lima beans.
2198

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Nebraska root-gall nematode of sugar beets.
2253

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

Air pollution damage to chrysanthemum foliage.
2387

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.
2419

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.
2447

Selective action of chloroxuron on soybean and morningglory.
2448

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.
2454

Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

Epoxidation of aldrin by plant materials.
2457

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

Biological activity of PA-X, a plant regulator from bean seeds.
2460

Degradation of monosodium methanearsonic acid by soil microorganisms.
2461

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

PLANT PROTECTION
Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research.
1920

Conclusions and resolutions of the general assemhly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962.
2105

Preliminary results of attempts to form the advisory board for integrated plant protection.
2113

Local reaction and cross protection for strains of squash mosaic virus.
2131

Nodulation of Medicago sativa in solution culture. III Effects of nitrate on root hairs and infection.
2157

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

PLANT PROTECTIVE DEVICES
Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

PLANT QUARANTINE
Preliminary results of attempts to form the advisory board for integrated plant protection.
2113

Domestic quarantine notices. Witchweed. Regulated areas.
2259

PLANT REGULATORS
Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.
2405

Growth regulator control of fruit set and development in the highbush blueberry (VACCINIUM CORYMBOSUM L.).
2450

Biological activity of PA-X, a plant regulator from bean seeds.
2460

PLANT RESIDUES
The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuchn.
2451

PLANT RESPIRATION
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

PLANT TRANSLOCATION
Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

PLANT WATER RELATIONS
The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

PLANTAGO
Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus.
2153

PLANTING
Survival of soybean cyst nematodes in seed bags.
2243

PLANTS
The ecology of Sminthurus viridis (L.)(Collembola). I. Processes influencing numbers in pastures in Western Australia.
2067

Method of controlling and eradicating mites. Patent 3,427,385.
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Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
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1894

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Contagious bovine pleuropneumonia, its treatment and control.
2286

PLUMS
Stem pitting of Italian prune.
2124

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2168

POISON GLANDS
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach.
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Mycotoxicoses.
2297

POLYACRYLAMIDE
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2142

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Tympanol. Drugs for veterinary use; drug efficacy study implementation.
2315

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Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency.
2088

POLYSACCHARIDES
Biochemical studies on Sclerotium rolfsii Sacc.
2144

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Population assessment of cotton bollworm in relation to pest control practices.
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2033

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2065

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

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2227

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2235

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POTASSIUM SULFATE
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.
2240

POTASSIUM TARTRATE
Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.
2366

POTATO-TUBER
Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.
2029

POTATOES
Arsenal for disease control.
2115

Contribution to the application method for fungicides to control potato blight.
2128

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

Behavior of DDT in potatoes during commercial and home preparation.
2418

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.
2426

POULTRY
Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.
2264

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.
2372

Notice of filing of petition regarding pesticide chemicals.
2395

Improved method for determination of sulfonamides in milk and tissues.
2425

POULTRY DISEASES
Research on diseases of poultry.
2331

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.
2334

The effect of dimethialium on experimental chicken coccidosis.
2377

POWDERY MILDEW
Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

PRATYLENCHUS
Reduction in mortality of peach trees following preplant soil fumigation.
2103

PRATYLENCHUS BRACHYURUS
Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

PRATYLENCHUS PENETRANS
Mutual antagonism between Heterodera tabacum and some other parasitic nematodes.
2248

PRATYLENCHUS VULNUS
Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

PRATYLENCHUS ZEAE
Population dynamics and pathogenicity of three species of Pratylenchus on peach.
2244

PREDACEOUS INSECTS
The acclimatization of Zonabris variabilis Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction.
1946

Records of predators and parasites naturally prevalent in the Gujarat state.
2024

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2063

The feeding behavior and biology of Parapronematus acaciae (Acarina: Tydeidae).
2225

PREGNANCY
Immunity in ewes resulting from natural exposure to Vibrio fetus.
2321

PRODENIA LITURA
On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, Prodenia litura F. under field conditions.
2073

PRODUCTIVITY
1968 U.S. rice production statistics.
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A rice seed farm in Central America.
2107

PROGESTERONE
Progesterone-estradiol henzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

PROPYLENE OXIDE
On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide.
2449

PROTEIN HYDROLYSATES
Acrial applications of PIB-7 and malathion to suppress populations of Anastrepha suspensa.
2234

Whole town treatment for fruit fly control.
2236

PROTEIN SYNTHESIS
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

PROTEINS
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

The feeding of the mole cricket and its effect on outbrecks and control.
1973

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1993

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2078

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection.
2142

A new source of high protein in oats.
2193

Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.
2273

Metabolism of blood proteins in hens during natural and artificial moulting.
2310

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.
2324

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

PROTOZOA
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding.
2323

PRUNE DWARF
Investigations concerning ringspot virus disease of the cherry. III. Serological investigations.
2168

PRUNING
Ear removal and cell death rate in corn stalk tissue.
2163

PRUNUS
Stem pitting of Italian prune.
2124

Stem pitting in Prunus spp. other than peach.
2154

PSEUDOMONADS
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

PSEUDOMONAS AERUGINOSA
Pulmonary diseases of pig in Madagascar.
2335

PSEUDOMONAS CORONAFACIENS
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

PSEUDOMONAS GLYCINEA
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

PSEUDOMONAS PHASEOLICOLA
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

PSEUDOMONAS SYRINGAE
Bacteriophage labeling of Pseudomonas syringae.
2134

PSEUDOMONAS TABACI
Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

PSEUDOPHYLLIDEA
Sparganosis in a cat.
2376

PSEUDOTSUGA MENZIESII
Distribution of hibernating larvae of the western budworm, Choristoneura occidentalis, on Douglas-fir in Colorado.
2226

PSYLLIDAE
Supplementary information on Korean Psyllidae. (Homoptera Psyllodea).
1999

PUBESCENCE
Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

PUBLIC HEALTH
Development and perspectives of biological control.
1976

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan.
2408

PUCCINIA CORONATA
Additional sources of tolerance to oat crown rust.
2176

PUCCINIA HORIANA
Wind dispersal of Puccinia horiana.
2196

On the incubation period of Puccinia horiana.
2197

PUCCINIA STRIIFORMIS
Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

PUPAL CASES
Comparative chromatographic investigations of Arthropod cocoons.
1931

PURIFICATION
Purification and properties of hroad hean wilt virus.
2189

Infrared spectography of myxoviruses.
2291

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

PYRENOCHAETA TERRESTRIS
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), hioassay of inoculum potential in soil and chemical control.
2174

PYRIMIDINES
Pyrimidine hydrates and dimers in ultraviolet-irradiated tohacco mosaic virus rihonucleic acid.
2178

PYRRHOCORIS APTERUS
Changes in glycogen-, lipid-, and nitrogen metaholism of the imago of Pyrrhocoris apterus L. in connection with the reproduction process.
1989

Studies on the physiology of the fat hody of Pyrrhocoris apterus L.
2008

PYTHIUM
Phytophthora crown and root rot of hops in California.
2181

PYTHIUM APHANIDERMATUM
Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

PYTHIUM ULTIMUM
Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi.
2146

QUAIL
Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.
2334

QUANTITATIVE ANALYSIS
Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

An approach to the study of the population dynamics of Aphanomyces euteiches in soil.
2155

Influence of the proliferation virus upon the quality and quantity of apple fruits.
2199

QUARANTINE
Domestic quarantine notices. Cereal leaf beetle.
2201

QUERCUS RUBRA
An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

QUINAPYRAMINE
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

RABBITS
Establishment and treatment of cutaneous Candida albicans infection in the rabbit.
2316

An experimental study of the allergen-specific-enzymatic factor . II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.
2322

Coccidiosis in wild rabbits, Oryctolagus cuniculus (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit.
2343

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

RABIES
History and epidemiology of rabies in wildlife in New York.
2293

Control of rabies in wildlife in New York.
2329

Bats in California.
2357

RADIATION
Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp.
2057

RADIOACTIVITY
Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae.
1993

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

RADIOISOTOPES
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

RAINFALL
The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera: Scolytidae)
2015

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations.
2020

RANGES
Apion seed weevil introduced for biological control of Scotch broom.
2254

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artifical defoliation.
2446

RAPE
A new biotype of cabbage aphid (Brevicoryne brassicae (L.)) on aphid resistant rape (Brassica napus L.).
2220

RASPBERRIES
Line pattern disease of raspberry.
2118

RATS
Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Stability of Escherichia coli endotoxin in the rat gastrointestinal tract.
2279

Failure of oral Escherichia coli endotoxin to induce either specific tolerance or toxic symptoms in rats.
2280

Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

Oxidative metabolism of phosphamidon in rats and a goat.
2388

The early effects of low DDT doses on the nervous system in animal experiments.
2428

The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

Toxicity of fentin hydroxide to rats.
2431

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

RATTLE DISEASE
Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

RECTUM
Structure and function of the rectal pads in Hymenoptera.
1922

RED CLOVER
Purification and properties of broad bean wilt virus.
2189

Aphids and leafhoppers found on red clover in eastern Washington.
2221

Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

REDUVIIDAE
Revision of African Reduviidae. II. Harpactorinae. Genus Nagusta Stal.
1914

REGULATION (PESTICIDES)
Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

REGULATIONS
Domestic quarantine notices. Cereal leaf beetle.
2201

REPORTS
Report of third work conference on the use of nuclearpolyhedrosis virus for control of Heliothis species.
1934

Progress report on Johnsongrass control in orchards.
2256

REPRODUCTION
Influence of moisture content of bovine feces on oviposition and development of the face fly.
1927

Competitive mating tests between normal and aspermic male house flies.
2035

Organogenesis of the female reproductive system of an aedine mosquito.
2038

Performance of the English grain aphid on sterilized and unsterilized artificial diet.
2059

Modern methods of disease control in florist and nursery crops.
2117

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).
2427

REPRODUCTIVE ORGANS
The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia.
1930

The function of the accessory sex glands in Periplaneta americana (L.). I. A quantitative bioassay for the juvenile hormone.
1933

Histochemistry and ultrastructure of the feminine genital ducts of Gryllotalpa gryllotalpa L.
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2026

Geographical variation in Paprides nitidus (Hutton) (Orthoptera: Acrididae).
2028

A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera.
2036

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Evolutionary morphology of insect genitalia as exemplified by the sawfly Euura (Hymenoptera: Tenthredinidae).
2052

Studies on the morphology and relationships of male Apiomorpha and Opisthoscelis (Hemiptera: Coccoidea).
2061

RESEARCH
Modified container for study of photoperiodism.
1857

A vacuum probe for manipulating insects.
1859

A technique for studying the feeding habits of the horn fly.
1860

An automated repellency-assay system. II. A new electronic bitometer-timer. .
1861

Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research.
1920

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.
1986

A comparative study of communication in grasshoppers.
2023

Records of predators and parasites naturally prevalent in the Gujarat state.
2024

Competitive mating tests between normal and aspermic male house flies.
2035

The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

Problems in plant pathology and entomology field trials.
2109

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow.
2296

Experimental Pasteurella multocida infection in chickens exposed to cold: Biochemical and bacteriological investigations.
2301

Studies on the tumours of the domestic animals. I. Lymphatic leucaemia of the swine.
2308

Studies on the tumours of the domestic animals. II. Tumours of the swine.
2309

An experimental study of the allergen-specific-enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.
2322

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle.
2326

Research on diseases of poultry.
2331

Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

Research and testing of preparations on rodents in the habitat of man.
2442

Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

A portable instrumented tower for use in meteorologically related research.
2468

RESIDUES

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Air pollution damage to chrysanthemum foliage.
2387

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.
2405

Food additives permitted in food for human consumption. Tylosin.
2407

RESINS

Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern.
2064

RESISTANCE

DDT resistance in barley, Hordeum vulgare- I. Induced mutants for resistance.
2114

Transmissible resistance factors in enterohaeteriaceae isolated in Algeria.
2441

RESPIRATION

The effect of molds on the enzymic acivity, respiration and viability of stored grain.
2381

RESPIRATORY DISEASES

Pulmonary diseases of pig in Madagascar.
2335

Food additives permitted in food for human consumption. Tylosin.
2407

RETICULOENDOTHELIOSIS

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

RHIZOBIUM TRIFOLII

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

RHIZOCTONIA SOLANI

Heritability of seeding disease characteristics in flax.
2162

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuehn.
2451

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

RHIZOPUS STOLONIFER

Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

RHIZOSPHERE

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

RHYACIA AUGUR

Rhyacia augur F. and other climbing cutworms (Lepidoptera).
2215

RHYACIONIA

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

RHYZOPERTHA DOMINICA

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

RIBONUCLEIC ACID

Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

Aspects of RNA and protein synthesis in imaginal discs of Drosophila melanogaster.
2078

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2142

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

Purification and properties of broad bean wilt virus.
2189

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

RIBOSOMES

Cytology of the sporangium of Phytophthora capsici.
2194

Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

RICE

Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes on its biology.
2002

1968 U.S. rice production statistics.
2099

A rice seed farm in Central America.
2107

Epidemiology and prevention of bacterial blight disease of rice in India.
2183

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

A new simple method for protecting rice against rice weevil (Sitophilus oryzae).
2384

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

RICKETTSIA

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

RICKETTSIAL DISEASES

Serological survey on the Rickettsioses in dromedary in Chad.
2319

Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Eperythrozoon in cattle in Malagasy Republic.
2347

RINDERPEST VIRUS

Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat.
2282

Presence of antibodies against Rinderpest in dromedary in Chad.
2318

RING SPOT

Line pattern disease of raspberry.
2118

Investigations concerning ringspot virus disease of the cherry. III. Serological investigations.
2168

Distribution of cucurbit viruses in Kansas.
2171

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

RING TEST

Mechanism of the ring forming in the ABR test.
2274

RODENT CONTROL

Research and testing of preparations on rodents in the habitat of man.
2442

RODENTICIDES

Research and testing of preparations on rodents in the habitat of man.
2442

RODENTS

Sofar unnoticed damage to fruit trees, brought about by field mice.
2263

Research and testing of preparations on rodents in the habitat of man.
2442

RONNEL

Notice of filing of petition regarding pesticide chemicals.
2414

ROOT CROPS

Notice of filing of petition regarding pesticide chemicals.
2391

ROOT HAIRS

Nodulation of Medicago sativa in solution culture. III. Effects of nitrate on root hairs and infection.
2157

ROOT ROT

Reduction in mortality of peach trees following preplant soil fumigation.
2103

Phytophthora cinnamomi Rands on conifers in New South Wales.
2121

Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi.
2146

An approach to the study of the population dynamics of Aphanomyces euteiches in soil.
2155

Phytophthora crown and root rot of hops in California.
2181

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.
2184

ROOTS
Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz.
2126

Ear removal and cell death rate in corn stalk tissue.
2163

Citrus-root nematode in Iran.
2246

Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

ROUS SARCOMA
Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.
2334

ROUS SARCOMA VIRUS
A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses.
2337

RUMEN
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding.
2323

RUMINANTS
Tympanol. Drugs for veterinary use; drug efficacy study implementation.
2315

Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica.
2361

RUST
Comandra rust damage to ponderosa pine in Oregon and Washington.
2104

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

A new source of high protein in oats.
2193

Wind dispersal of Puccinia horiana.
2196

SALIVA
Biochemical analysis of aphid saliva and its importance in gall development.
2233

SALIVARY GLANDS (INSECTS)
Variations of nucleic acid content in the salivary glands of Drosophila hydei during late larval development.
1949

Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae).
1961

Biochemical analysis of aphid saliva and its importance in gall development.
2233

SALMON
Degradation of DDT in Atlantic salmon (Salmo salar).
2400

SALMONELLA
Salmonella species. First isolations, names and occurrence. QR82.S27K4.
2303

Salmonella infection in calves and other animals. II. Comparison of selective media.
2325

Research on diseases of poultry.
2331

Antigen conversion in Salmonella. XI. Conversio in the N(O:30) group.
2437

A new species of Salmonella of Nigerian origin, Salmonella Biafra. (3, 10:z10:26).
2439

Transmissible resistance factors in enterobacteriaceae isolated in Algeria.
2441

SALMONELLA CHOLERAESUIS
Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

SALMONELLOSIS
Experiments for liquidating abortions in ewes on sheep farms with abortions.
2330

Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

SALTS
Control of weeds in wheat crop hy 2,4-D.
2260

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

Notice of withdrawal of petition regarding pesticides.
2394

SAMPLING (STATISTICS)
Sampling to detect economic infestations of Limonius spp.
2022

SAP
Proof of the presence of the tomato bushy stunt virus in grape tendrils.
2120

SARCOMA
Hemangiosarcoma in a dog.
2342

Transmission of equine sarcoid.
2348

SARCOPHAGA
New species of the Sarcophaga Meigen genus (Fam. Sarcophagidae, Diptera).
1890

SARCOPTIFORMES
A remarkable tick found on a tarsier (Heterocoptidae f. n.:Sarcoptiformes).
1957

SATURNIIDAE
Comparative chromatographic investigations of Arthropod cocoons.
1931

SCAB
Chemical control of scab on citrus in Florida.
2136

SCARABAEIDAE
Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma.
1983

SCELIONIDAE
A new genus of Scelionidae (Hymenoptera) with austral disjunctive distribution.
1897

SCENT GLANDS
Morphological and histochemical study of the scent gland in the pond-skater, Gerris spinolae Leth. et Seu. (Gerridae-Insecta).
2032

SCHIZAPHIS GRAMINUM
Transmission of maize dwarf mosaic by the greenhug, Schizaphis graminum.
2214

SCHIZOLACHNUS PINIRADIATAE
Fluctuations in the population of Schizolachnus piniradiatae (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967.
2048

SCIARIDAE
Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover.
2222

SCLERODERRIS LAGERBERGII
Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

SCLEROSPORA SORGHI
Downy mildew of sorghum in Georgia.
2182

SCLEROTINIA FRUCTICOLA
The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions.
2140

SCLEROTIUM BATATICOLA
Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola.
2456

SCLEROTIUM ROLFSII
Biochemical studies on Sclerotium rolfsii Sacc.
2144

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

SCOLOPENDROMORPHIDAE
Some observations on chemoreception in the antennae of the centipede, Scolopendra subspinipes Leach (Mandibulata-Chilopoda).
2062

SCOLYTIDAE
The bark beetles of Greece and Cyprus. (249. Contribution to the morphology and taxonomy of the Scolytoidea).
1909

Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material.
1943

The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera; Scolytidae).
2015

SCOLYTUS MULTISTRIATUS
Dutch elm disease detected in Mississippi.
2195

SCOPOLIN
Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

SCORPIONIDA
Scorpion preservation for taxonomic and morphological studies.
2070

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom.
2429

Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom.
2436

SCUTACARIDAE
A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia.
1895

SEASONAL VARIATION
The ecology of a natural population of the Queensland fruit fly, Dacus tryoni. I. The parameters of the pupal and adult populations during a single season.
2205

An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard.
2241

SECRETION
The anal glands of Gryllotalpa gryllotalpa L. ultrastructure and histochemistry.
1948

Histochemistry and ultrastructure of the feminine genital ducts of Gryllotalpa gryllotalpa L.
2016

SEDIMENTATION
Mechanism of the sediment forming in the agglutination test performed with Brucella abortus suspension.
2275

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

SEED ANALYSIS
Epidemiology and prevention of bacterial blight disease of rice in India.
2183

SEED GERMINATION
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

Biological activity of PA-X, a plant regulator from bean seeds.
2460

SEED PLANTING
Coated celery seed aids mechanization efforts.
2470

SEED TREATMENT
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide.
2119

SEEDLINGS
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.
2150

An approach to the study of the population dynamics of Aphanomyces euteiches in soil.
2155

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight.
2158

Heritability of seeding disease characteristics in flax.
2162

Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

SEEDS
A rice seed farm in Central America.
2107

Survival of soybean cyst nematodes in seed bags.
2243

Apion seed weevil introduced for biological control of Scotch broom.
2254

Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards.
2469

Coated celery seed aids mechanization efforts.
2470

SENSE ORGANS
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975).
1967

Physiological bases for the luring and catching of insects.
2069

SERINE
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.
2273

SERINE HYDROXYMETHYLTRANSFERASE
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.
2273

SEROLOGICAL TESTS
Proof of the presence of the tomato bushy stunt virus in grape tendrils.
2120

Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus.
2153

Investigations concerning ringspot virus disease of the cherry. III. Serological investigations.
2168

Purification and properties of broad bean wilt virus.
2189

Stability of Escherichia coli endotoxin in the rat gastrointestinal tract.
2279

Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat.
2282

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

Presence of antibodies against Rinderpest in dromedary in Chad.
2318

Serological survey on the Rickettsioses in dromedary in Chad.
2319

Serological differentiation of mycoplasma in swine.
2338

A new species of Salmonella of Nigerian origin, Salmonella Biafra. (3, 10:z10:26).
2439

SERUM
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna).
2359

SEX
Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.
1986

Isolation of a sex pheromone of the codling moth.
2013

Sex and selection for a quantitative character in Drosophila. I. Single-sex selection.
2076

Sex and selection for a quantitative character in Drosophila. II. The sex dimorphism.
2077

SEX ATTRACTANTS
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, Diabrotica virgifera LeConte.
1936

SEX BEHAVIOR
Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species.
1903

Principles of crowding effect in Aphis gossypii Glover (Aphididae, Homoptera).
1975

A comparative study of communication in grasshoppers.
2023

SEX DETERMINATION
Automated sexing of pupae and its usefullness in control by sterile insects.
2097

SEX RATIOS
Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster.
2074

Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

SHEEP
Moldy feeds pose hazard.
2277

Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat.
2282

Enterotoxaemia: Deadly disease of sheep.
2290

Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat.
2294

The pathogenesis of ovine Contagious Ecthyma.
2307

Immunity in ewes resulting from natural exposure to Vibrio fetus.
2321

Experiments for liquidating abortions in ewes on sheep farms with abortions.
2330

Pathologic responses of the mature and developing nervous system to bluetongue virus.
2336

Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

SILICONES

Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of Mycoplasma agents from infected sheep eyes. 2344

Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica. 2361

Notice of filing of petition regarding pesticide chemicals. 2392

Notice of filing of petition regarding pesticide chemicals. 2393

The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402

Notice of filing of petition regarding pesticide chemicals. 2414

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

SILICONES
Tympanol. Drugs for veterinary use; drug efficacy study implementation. 2315

SILVER NITRATE
Thin-layer chromatography of bromacil residues in soils. 2401

SITONA CYLINDRICOLLIS
Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209

SITOPHILUS ORYZAE
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230

A new simple method for protecting rice against rice weevil (Sitophilus oryzae). 2384

SKIN
Establishment and treatment of cutaneous Candida albicans infection in the rabbit. 2316

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism. 2349

SMELL
Fatty tissue biopsy in pigs. 2299

SNAILS
Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica. 2361

SNAKE VENOM
Collagenolytic activity of snake and spider venoms. 2435

SNAKES
Collagenolytic activity of snake and spider venoms. 2435

SOCIAL INSECTS
Performance of laboratory-reared and artifically inseminated honey bee queens. 1950

Biology and colonization of the winter tick in the laboratory. 1952

Investigation into the appearance of the three castes in the bumblebee colony. 2040

Comparative bee sociology I. Origin of communal and caste systems. 2042

Insect and host factors in the aggregation of the southern pine beetle. 2065

SODIUM
Control of weeds in wheat crop by 2,4-D. 2260

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369

Notice of withdrawal of petition regarding pesticides. 2394

SODIUM BORATE
Notice of filing of petition regarding pesticide chemicals. 2410

SOIL ADSORPTION
Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Adsorption of some pesticides on soils, clay minerals and humic acid. 2420

Omega, a useful index of soil sorption equilibria. 2464

Adsorption of 3-aminotriazole by montmorillonite. 2466

SOIL ANALYSIS
Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

SOIL CONTAMINATION
Effects of isobenzan on soil fauna and soil structure. 2404

SOIL EXTRACTS
Cytology of the sporangium of Phytophthora capsici. 2194

SOIL FAUNA
The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR). 2238

Effects of isobenzan on soil fauna and soil structure. 2404

SOIL FUMIGATION
Reduction in mortality of peach trees following preplant soil fumigation. 2103

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato. 2252

Nebraska root-gall nematode of sugar beets. 2253

SOIL FUNGI
An approach to the study of the population dynamics of Aphanomyces euteiches in soil. 2155

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil. 2444

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil. 2459

SOIL HYDROGEN-ION CONCENTRATION
Survival of Fomes annosus spores in soil. 2148

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil. 2459

SOIL INSECTICIDES
Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

SOIL INSECTS
On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids. 2045

SOIL MICROORGANISMS
Nebraska root-gall nematode of sugar beets. 2253

Biochemical transformations of pesticides by soil micro-organisms. 2397

Degradation of monosodium methanearsonic acid by soil microorganisms. 2461

SOIL MOISTURE
Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi. 2146

An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

SOIL SAMPLING (NEMATODES)
An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

SOIL SERIES
The ecology of Sminthurus viridis (L.)(Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067

Survival of Fomes annosus spores in soil. 2148

SOIL STERILIZATION
Saprozoic nematodes transmit Streptomyces phage. 2245

SOIL STRUCTURE
Effects of isobenzan on soil fauna and soil structure. 2404

SOIL TEMPERATURE
The role of moisture in the winter survival of the boll weevil complex in Arizona. 2001

Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi. 2146

SOIL TREATMENT
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control. 2174

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato. 2252

SOIL-BORNE PLANT DISEASES
Arsenal for disease control. 2115

SOIL-PLANT-ANIMAL RELATIONS
Effects of isobenzan on soil fauna and soil structure. 2404

SOILS
Thin-layer chromatography of bromacil residues in soils. 2401

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Effect of soil systemic insecticides on flavor and residue in coffee. 2423

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice. 2445

SORGHUM
Downy mildew of sorghum in Georgia. 2182

Transmission of maize dwarf mosaic by the greenbug, Schizaphis graminum.
2214

SORGHUM HALEPENSE
Progress report on Johnsongrass control in orchards.
2256

Degradation of monosodium methanearsonic acid by soil microorganisms.
2461

SOYBEANS
Resistance to brown stem rot in soybeans.
2102

Survival of soybean cyst nematodes in seed bags.
2243

Notice of filing of petitions regarding pesticide chemicals and food additives.
2396

Selective action of chloroxuron on soybean and morningglory.
2448

SPARGANOSIS
Sparganosis in a cat.
2376

SPARTINA ALTERNIFLORA
Population dynamics of the common horseflies and deerflies (Tahanidae: Diptera) breeding on a New Jersey salt marsh.
2037

SPECTROMETRY
Isolation of the population aggregating pheromone of the southern pine beetle.
2033

SPECTROSCOPY
Infrared spectography of myxoviruses.
2291

The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism.
2341

Several factors affecting adsorption of atrazine and diphenamid by soils.
2386

SPERMATHECA
Histochemistry and ultrastructure of the feminine genital ducts of Gryllotalpa gryllotalpa L.
2016

SPERMATOGENESIS
Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae).
2096

SPHAEROCERIDAE
On the subgenus Opacifrons Duda of the genus Leptocera Olivier (Diptera, Sphaeroceridae) with a description of a new species from northern Fennoscandia.
1879

SPHINGIDAE
Some remarks concerning sphinx moths catches on the island of Sumatra. Supplementary information concerning the knowledge of sphinx moths (II) (Lep. Sphingidae).
1887

SPIDER VENOM
Collagenolytic activity of snake and spider venoms.
2435

SPIDERS
On some species of the genus Arctosa C. L. Koch and Tricca Simon (Araneae-Lycosidae).
1892

Collagenolytic activity of snake and spider venoms.
2435

SPILONOTA OCELLANA
Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

SPIRACLES
On the spiracles of the larvae of the suborder Myxophaga (Coleoptera).
1981

The structure of the spiracles of the cattle tick, Boophilus microplus.
1982

Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma.
1983

SPIROSTREPTIDAE
Rondonema thapari n. sp. from the millipede (Spirostreptus sp.).
1958

SPLEEN
Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

SPLENECTOMY
Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Eperythrozoon in cattle in Malagasy Republic.
2347

SPORANGIUM
Cytology of the sporangium of Phytophthora capsici.
2194

SPORES
Survival of Fomes annosus spores in soil.
2148

Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes.
2187

SPORULATION
Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Ckc.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen.
2186

SPRAYING
Pre-bloom oil sprays for European red mite control.
1932

Baygon in field tests against German cockroaches.
1935

The control of some species of pest insects hy Bacillus thuringiensis.
1953

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations.
2020

A comparative study on urea sprays upon some deciduous fruit trees.
2100

Arsenal for disease control.
2115

Contribution to the application method for fungicides to control potato blight.
2128

Chemical control of scab on citrus in Florida.
2136

Effect of dimethyl sulfoxide on tobacco mosaic.
2165

Epidemiology and prevention of bacterial blight disease of rice in India.
2183

Evaluation of fungicides for use against Marasmius palmivorus on oil palms.
2191

Scientists attack corn borer.
2202

Chemical control of mango hoppers (Idiocerus spp.).
2211

Comparison of herbicides and times of spraying for the control of blackberry (Rubus fruticosus).
2258

Control of weeds in wheat crop by 2,4-D.
2260

Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.
2354

Control of the northern fowl mite on laying hens with Shell SD-8447.
2358

Thin-layer chromatography of bromacil residues in soils.
2401

Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (Trifolium repens L.).
2440

Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.
2452

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

SQUASH
Local reaction and cross protection for strains of squash mosaic virus.
2131

Distribution of cucurbit viruses in Kansas.
2171

Purification and properties of broad bean wilt virus.
2189

STAPHYLINIDAE
On some Steninae from the Helsinki Zoological Museum (Coleoptera, Staphylinidae). (43. Contribution to the knowledge of the Steninae).
1904

Hymenoptera and nematodes as parasites of Tachyporus species (Col.; Staphylinidae) with special consideration of Centistes lucidator (Nees) (Hym.; Braconidae).
2223

STAPHYLOCOCCUS
The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.
2276

STAPHYLOCOCCUS AUREUS
Study on the incidence and etiology of mastitis in sows.
2302

STATISTICAL ANALYSIS
An automated repellency-assay system. II. A new electronic bitometer-timer.
1861

Rainbow's end: The quest for an optimal taxonomy.
1885

Population assessment of cotton bollworm in relation to pest control practices.
1974

Investigation into a conditional host modification by the ichneumonid fly Perithous divinator (Rossi) (Hym., Ichneum.).
1984

The relative abundance of species in a wild population of Macro-Lepidoptera.
1985

Flight and ground collection records of Costelytra zealandica (White) at a site in Canterbury, New Zealand.
1996

On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.
2453

STATISTICS
1968 U.S. rice production statistics.
2099

STEM PITTING
Stem pitting of Italian prune.
2124

Stem pitting in Prunus spp. other than peach.
2154

STEM RUST
Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.
2151

STERILITY
Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.
1980

Competitive mating tests between normal and aspermic male house flies.
2035

Effects of apholate on the alfalfa weevil.
2053

STERILIZATION
Performance of the English grain aphid on sterilized and unsterilized artificial diet.
2059

On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide.
2449

STEROLS
A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchota, Insecta).
1955

STIMULANTS
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.
1923

Principles of crowding effect in Aphis gossypii Glover (Aphididae, Homoptera).
1975

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.
2216

STIMULI
On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods.
1990

STORAGE
Survival of soybean cyst nematodes in seed bags.
2243

Potato tuber eelworm.
2249

STORAGE DISEASES
Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

A new simple method for protecting rice against rice weevil (Sitophilus oryzae).
2384

STORAGE INJURIES
Campaign against stored grain pests in villages of IADP District Ludhiana.
2382

STORED PRODUCTS
The effect of molds on the enzymic acivity, respiration and viability of stored grain.
2381

STREPSIPTERA
Strepsiptera from the Mississippi coast.
1888

STREPTOCOCCUS AGALACTIAE
Study on the incidence and etiology of mastitis in sows.
2302

STREPTOMYCES
The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuehn.
2451

STREPTOMYCES GRISEUS
Saprozoic nematodes transmit Streptomyces phage.
2245

STREPTOMYCES SCABIES
Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

STREPTOMYCIN
Experiments for liquidating abortions in ewes on sheep farms with abortions.
2330

STRIDULATION
Structures of unknown, possibly stridulatory, function of the wings and body of Neuroptera; with an appendix on other endopterygote orders.
2034

STRIGA
Domestic quarantine notices. Witchweed. Regulated areas.
2259

STRONGYLOIDES
Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

STRONTIUM ISOTOPES
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.
1937

STUNT
Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt virus.
2206

SUBSTRATES
Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antihiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.).
2458

SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.
2405

SUCROSE
Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

SUGAR BEETS
Diseases of sugarbeet in Arizona.
2112

Preference of green peach aphids for virus-infected sugarbeet leaves.
2224

Nebraska root-gall nematode of sugar beets.
2253

SUGARCANE
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn.
2190

Transmission of maize dwarf mosaic by the greenbug, Schizaphis graminum.
2214

SULFATES
Crop response to applied zinc in ammoniated phosphate fertilizers.
2455

SULFONAMIDES
Improved method for determination of sulfonamides in milk and tissues.
2425

SULFONE
Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

SULFUR
Chemical control of mango hoppers (Idiocerus spp.).
2211

SURVEYS
The distribution of ants in central southern England.
1867

As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna.
1870

Strepsiptera from the Mississippi coast.
1888

A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia.
1895

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

Flight and ground collection records of Costelytra zealandica (White) at a site in Canterbury, New Zealand.
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2045

Studies of the ecology of the cabbage aphid (Brevicoryne brassicae (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.
2219

Aphid populations in relation to tristeza in Florida citrus.
2235

Serological survey on the Rickettsioses in dromedary in Chad.
2319

SUSCEPTIBILITY
Aliphatic amines against insecticide-susceptible and resistant strains of Culex pipiens quinquefasciatus and Anopheles albimanus.
1968

Susceptibility of three pine species to Scleroderris lagerbergii in Upper Michigan.
2129

SWEETCLOVER
Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

SWINE
Leucosis in swine as a finding from carcass inspection.
2281

Leptospiric abortion pathogenia in sows.
2295

Fatty tissue biopsy in pigs.
2299

Study on the incidence and etiology of mastitis in sows.
2302

Studies on the tumours of the domestic animals. I. Lymphatic leucaemia of the swine.
2308

Studies on the tumours of the domestic animals. II. Tumours of the swine.
2309

Pulmonary diseases of pig in Madagascar.
2335

Serological differentiation of mycoplasma in swine.
2338

Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

Notice of filing of petition regarding pesticide chemicals.
2392

Notice of filing of petition regarding pesticide chemicals.
2393

Improved method for determination of sulfonamides in milk and tissues.
2425

SYMBIOSIS
Host resistance responses- an induction hypothesis.
2139

SYMPTOMATOLOGY
Specificity of insect viruses.
1987

Stem pitting of Italian prune.
2124

Bacterial fruit rot of watermelon in Florida.
2130

Local reaction and cross protection for strains of squash mosaic virus.
2131

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.
2133

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

Host resistance responses- an inductiun hypothesis.
2139

Fruit rot of papaya (Carica papaya L.) caused by Macrophomina phaseoli (Maubl). Ashby.
2143

Fungal diseases of bananas in Hawaii.
2152

Stem pitting in Prunus spp. other than peach.
2154

Effects of temperature on expression and transmissiun of stubborn disease of citrus.
2161

Chemical and biological propertics of phytotoxic glycopeptides isolated from Corynebacterium michiganense.
2167

Cucurbit virus studies in Hawaii.
2172

Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

Downy mildew of sorghum in Georgia.
2182

Citrus-root nematode in Iran.
2246

Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

Effects of whole-body irradiation on baby pigs (Sus scrofa).
2283

Eczema and liver disease in dogs (hepatodermal syndrome).
2287

Mycoplasma infection in a Wisconsin dairy herd.
2333

Hemangiosarcoma in a dog.
2342

Infectious peritonitis in cats.
2351

Effects of DDT on brain electrical activity in awake, unrestrained rats.
2352

Air pollution damage to chrysanthemum foliage.
2387

SYNTHESIS
A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchota, Insecta).
1955

Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster.
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The coat protein gene of tobaccu musaic virus. I. Location of the gene by mixed infection.
2142

Kinetics of viral deuxyribunucleic acid, protein, and infectious particle productiun and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

T, 2,4,5-
Comparison of herbicides and times of spraying for the cuntrol of blackberry (Rubus fruticosus).
2258

TABANIDAE
Population dynamics of the cummon horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

TABANUS LINEOLA
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

TABANUS NIGROVITTATUS
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

TABLES (DATA)
Separation of the free ninhydrin-pusitive fractions in Phormia and Drosophila using twudimensional high voltage electruphoresis.
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Certain minor crop pests hitherto unrecorded from the Gujarat state.
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Developing alfalfa resistant to alfalfa weevil oviposition.
2101

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

Salmonella species. First isolations, names and occurrence. QR82.S27K4.
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Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

TAENIA
AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

TAXONOMY
Rainbow's end: The quest for an optimal taxonomy.
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Isolation of the population aggregating pheromone of the southern pine beetle.
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Photoperiodic induction of vernal phenotype in Pieris protodice Boisduval and Le Conte (Lepidoptera: Pieridae).
2047

Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps.
2056

Physiological bases for the luring and catching of insects.
2069

Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.
2106

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.
2110

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.
2133

TENEBRIO MOLITOR

Effects of temperature on expression and transmission of stubborn disease of citrus.
2161

On the incubation period of Puccinia horiana.
2197

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.
2204

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.
2209

Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

Nebraska root-gall nematode of sugar beets.
2253

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience.
2379

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

Epoxidation of aldrin by plant materials.
2457

A portable instrumented tower for use in meteorologically related research.
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TENEBRIO MOLITOR

On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods.
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2043

TENTHREDINIDAE

The Finnish Empira-species (Hymenoptera, Symphyta).
1891

Evolutionary morphology of insect genitalia as exemplified by the sawfly Euura (Hymenoptera: Tenthredinidae).
2052

TEPA

A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches Blattella germanica (Linnaeus).
1965

TEPHRITIDAE

Trapping for control of the Mexican fruit fly in mango and citrus groves.
1924

Whole town treatment for fruit fly control.
2236

TERATOMA

Crown gall tumors in various species and hybrids of Kalanchoideae.
2122

TERMITES

The termites of Paris.
2383

TERMITIDAE

Wing micro-sculpturing in termite genera Odontotermes, Hypotermes and Microtermes (Termitidae: Macrotermitinae) and its taxonomic value.
1906

TESTOSTERONE

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

TETRACYCLINE

Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.
2264

Control of rabies in wildlife in New York.
2329

TETRAMISOLE

The effect of tetramisole on Muellerius capillaris in goats.
2374

TETRANYCHUS ATLANTICUS

Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

TETRANYCHUS URTICAE

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.
2080

TETTIGONIIDAE

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2017

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Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377.
2265

THIAZOLYL)-BENZIMIDIZOLE, 2-(4-

Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis.
2340

Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract).
2373

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole.
2409

THIELAVIOPSIS BASICOLA

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil.
2444

THINNING (TREES)

Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

THIOCARBAMATES

Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control.
2174

THIOCYANATES

Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes.
2187

THIRAM

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram.
2417

THYMIDINE

Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster.
2068

THYROID GLAND

Lymphocytic thyroiditis in the dog.
2320

TIMBER

Apion seed weevil introduced for biological control of Scotch broom.
2254

TIME

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The use of imaginal disks for the determination of the developmental stage of larvae of Chironomus (Dipt.).
2071

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Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period.
2228

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

TISSUE CULTURE

Studies on the physiology of the fat body of Pyrrhocoris apterus L.
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Fatty acids in Hyalophora cecropia: Biosynthesis and constitution during development.
2055

The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.
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Effects of whole-body irradiation on baby pigs (Sus scrofa).
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2298

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro.
2443

Epoxidation of aldrin by plant materials.
2457

TISSUES

The free amino acid pattern in tissues of silkworm during development.
2049

Ear removal and cell death rate in corn stalk tissue.
2163

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.
2267

Transmission of equine sarcoid.
2348

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.
2421

Improved method for determination of sulfonamides in milk and tissues.
2425

TITYUS BAHYENSIS

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom.
2429

TITYUS SERRULATUS

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom.
2429

Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

TOBACCO
Measuring newly hatched phytophagous larvae in the field or greenhouse.
2058

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.
2116

Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.
2127

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection.
2142

Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus.
2153

Effect of dimethyl sulfoxide on tobacco mosaic.
2165

Distribution of cucurbit viruses in Kansas.
2171

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.
2178

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of Alternaria longipes.
2180

Mutual antagonism between Heterodera tabacum and some other parasitic nematodes.
2248

TOLERANCES
Aliphatic amines against insecticide-susceptible and resistant strains of Culex pipiens quinquefasciatus and Anopheles albimanus.
1968

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments.
2389

Notice of filing of petition regarding pesticide chemicals.
2390

Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.
2405

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.
2406

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan.
2408

Notice of filing of petition regarding pesticide chemicals.
2410

Notice of filing of petition regarding pesticide chemicals.
2412

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

TOMATOES
Proof of the presence of the tomato bushy stunt virus in grape tendrils.
2120

A laboratory assay for determining pathogenicity of Phytophthora spp. to tomato.
2169

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato.
2247

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of Meloidogyne javanica (Treub, 1885) Chitwood, 1949 on tomato.
2252

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.
2398

TORTRICIDAE
Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

An oak leaf tier, Croesia semipurpurana (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.
2212

TOXASCARIS LEONINA
Immunological studies on experimental ascariasis.
2378

TOXICITY
The residual contact toxicity to honey bees of insecticides sprayed on to white clover (Trifolium repens L.) in the laboratory.
1942

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (Trifolium repens L.).
2440

TOXICOLOGY
Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations.
2020

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.
2031

Biochemical aspects of triazine based herbicides.
2255

Aflatoxin metabolism by liver microsomal preparations of two different species.
2332

Degradation of DDT in Atlantic salmon (Salmo salar).
2400

Residues of organochlorine insecticides in dead birds in the United Kingdom.
2422

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).
2427

The early effects of low DDT doses on the nervous system in animal experiments.
2428

The effect of DDT in the diet on the resting and loading electrocorticogram record.
2430

Toxicity of fentin hydroxide to rats.
2431

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols.
2432

Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom.
2436

Research and testing of preparations on rodents in the habitat of man.
2442

TOXINS
Aliphatic amines against insecticide-susceptible and resistant strains of Culex pipiens quinquefasciatus and Anopheles albimanus.
1968

On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle.
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Some comparisons of chlorosis-inducing Pseudomonad toxins.
2177

The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.
2276

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxines in pig organism.
2349

TOXOCARA CANIS
Immunological studies on experimental ascariasis.
2378

TOXOPLASMA GONDII
Toxoplasma gondii in tissue culture and maintenance at low temperatures.
2363

TOXOPLASMOSIS
Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat.
2294

TRACHOMA
Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of Mycoplasma agents from infected sheep eyes.
2344

TRANSPLANTING
Transmission of equine sarcoid.
2348

TRAPS
Control of rabies in wildlife in New York.
2329

TREE DISEASES
Comandra rust damage to ponderosa pine in Oregon and Washington.
2104

TREE INJURIES
Annotated list of insects infesting bark and wood of Fraser fir.
2200

Sofar unnoticed damage to fruit trees, brought about by field mice.
2263

TREES
A comparative study on urea sprays upon some deciduous fruit trees.
2100

Reduction in mortality of peach trees following preplant soil fumigation.
2103

Sofar unnoticed damage to fruit trees, brought about hy field mice.
2263

TRIAZINE HERBICIDES
Biochemical aspects of triazine based herbicides.
2255

TRIBOLIUM CASTANEUM
Temporal distribution of Tribolium castaneum Herhst and Cadra cautella Walker on temperature gradients.
1917

The life history of Tribolium castaneum (Herbst) (Coleoptera, Tenebrionidae).
1994

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete hins.
2230

TRIBUTYLTIN OXIDE
Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

TRICHLOROBENZYL CHLORIDE
Notice of filing of petition regarding pesticide chemicals.
2395

TRICHODORUS CHRISTIEI
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

TRICHOGRAMMA
Chamhers for incuhating individual insect eggs and egg parasites.
2054

TRICHOGRAMMATIDAE
Biological notes on Spilonota ocellana Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.
1970

TRICHOMONAS FAECALIS
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

TRICHOPLUSIA NI
Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.
1986

On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding on cauliflowers.
2009

TRICHOSTRONGYLOSIS
Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract).
2373

TRICHURIS
Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

TRIFLURALIN
Notice of filing of petition regarding pesticide chemicals.
2391

Effect of trifluralin on growth of Sclerotium rolfsii in liquid culture and soil.
2459

TRIMEROTROPIS HELFERI
Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae) and its effect on chiasma frequency.
2088

TRIPHENYLTIN HYDROXIDE
Chemical control of scab on citrus in Florida.
2136

Toxicity of fentin hydroxide to rats.
2431

TRISTEZA
Aphid populations in relation to tristeza in Florida citrus.
2235

TRITICUM AESTIVUM
Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.).
2111

TROMBICULIDAE
New larvae of Trombiculidae (Acaridae), parasites on the mammals of rumania.
1878

TRYPANOSOMIASIS
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.
2285

TUBERCULOSIS
Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle.
2326

TURKEYS
Effects of estrogens on aortic connective tissue of turkeys.
2269

TYLENCHORHYNCHUS CLAYTONI
Mutual antagonism between Heterodera tabacum and some other parasitic nematodes.
2248

TYLENCHORYNCHUS DUBIUS
Host suitability of a number of plants for the nematode Tylenchorynchus dubius.
2251

TYLENCHULUS SEMIPENETRANS
Citrus-root nematode in Iran.
2246

Some observations on the biological cycle of Tylenchulus semipenetrans Cobb, 1913 (Nematoda, Tylenchulidae).
2250

TYLOSIN
Food additives permitted in food for human consumption. Tylosin.
2407

TYPHLOCYBIDAE
Leaf changes brought about by Empoasca flavescens F. (Hom. Typhlocyhidae) on apple trees.
2203

TYROSINE
Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.
2188

UBIQUINONES
Coenzyme Q10 in Brucella abortus Bang.
2345

UDDERS
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377.
2265

Study on the incidence and etiology of mastitis in sows.
2302

ULMUS ALATA
Dutch elm disease detected in Mississippi.
2195

ULMUS AMERICANA
Dutch elm disease found in Idaho.
2164

Dutch elm disease detected in Mississippi.
2195

ULTRASTRUCTURE
The anal glands of Gryllotalpa gryllotalpa L. ultrastructure and histochemistry.
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Histochemistry and ultrastructure of the feminine genital ducts of Gryllotalpa gryllotalpa L.
2016

ULTRAVIOLET RAYS
The relative abundance of species in a wild population of Macro-Lepidoptera.
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2178

Thin-layer chromatography of bromacil residues in soils.
2401

UPLAND COTTON
A boll weevil oviposition suppression factor in cotton.
2208

UREA
A comparative study on urea sprays upon some deciduous fruit trees.
2100

Annosus root-rot in slash pine plantations four years after thinning and stump treatments.
2138

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.
2462

URINE
Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (durshan) insecticide in a lactating cow.
2296

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.
2317

An experimental study of the allergen-specific-enzymatic factor . II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.
2322

Oxidative metabolism of phosphamidon in rats and a goat.
2388

USTILAGO NUDA
Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants.
2145

VACCINES
Contagious bovine pleuropneumonia, its treatment and control.
2286

Experience obtained from the use of formol-adsorbat vaccines against Salmonella cholerae-suis in pig stocks.
2339

VACUUM
A vacuum probe for manipulating insects.
1859

VACUUM CLEANERS
Vacuum cleaner for use with granular applicators in fieldplot work.
1858

VALANGA IRREGULARIS
A gynandromorphic grasshopper produced by double fertilization.
2094

VANCOMYCIN
An incidence of the effect of glycine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

VARIANCE ANALYSIS
Environmental factors regulating the diurnal vertical migration of Chaoborus larvae.
2000

VEGETABLES
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

Notice of filing of petition regarding pesticide chemicals.
2411

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
2415

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate.
2416

VENOMS
A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera.
2036

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom.
2429

Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines.
2433

Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom.
2436

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant Myrmecia pyriformis.
2438

VENTURIA INAEQUALIS
Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes.
2187

VERMICULITE
An approach to the study of the population dynamics of Aphanomyces euteiches in soil.
2155

VERTICILLIUM ALBO-ATRUM
Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

VETERINARY MEDICINE
The trained falcon in health and disease.
2266

P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation.
2271

Vetistat. Drugs for veterinary use - drug efficacy study implementation.
2272

Parterol. Drugs for veterinary use; drug efficacy study implementation.
2304

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone proprionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

Dr. Mayfield ML-23. Drugs for veterinary use - drug efficacy study implementation.
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Tympanol. Drugs for veterinary use; drug efficacy study implementation.
2315

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.
2355

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.
2364

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.
2365

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.
2366

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.
2367

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.
2368

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation.
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D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation.
2370

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.
2371

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.
2372

VIABILITY
Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster.
2074

VIBRIO FETUS
Immunity in ewes resulting from natural exposure to Vibrio fetus.
2321

VIBRIOSIS
Immunity in ewes resulting from natural exposure to Vibrio fetus.
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VIRAL VACCINES
Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.
2298

VIROLOGY
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

Effect of dimethyl sulfoxide on tobacco mosaic.
2165

Properties of a virus causing pokeweed mosaic.
2173

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
2175

Purification and properties of broad bean wilt virus.
2189

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn.
2190

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
2327

A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses.
2337

VIRUCIDES
Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
2292

VIRULENCE
An incidence of the effect of glycine on the virulence of a strain of Agrobacterium tumefaciens (Smith and Town) Conn.
2149

VIRUS DISEASES (ANIMALS)
Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.
2289

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.
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Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
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The pathogenesis of ovine Contagious Ecthyma.
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Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.
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2118

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2120

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2124

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2127

Local reaction and cross protection for strains of squash mosaic virus.
2131

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2133

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.
2137

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2142

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2150

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2153

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2159

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Effect of dimethyl sulfoxide on tobacco mosaic.
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2168

Distribution of cucurbit viruses in Kansas.
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Cucurbit virus studies in Hawaii.
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Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease.
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2060

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2341

WATER
Determination of the water content of nematode worms by interference microscopy.
2242

Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid.
2268

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.
2445

WATER ANALYSIS
Signs of water pollution in the Riviere des Prairies.
2385

WATER POLLUTION
Signs of water pollution in the Riviere des Prairies.
2385

WATERMELONS
Bacterial fruit rot of watermelon in Florida.
2130

Distribution of cucurbit viruses in Kansas.
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WAXES
The presence waxes in two kinds of lac cells.
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Consideration of the problems raised by the recent cecidomyiid attack on corn flowers.
2213

WEED CONTROL
Apion seed weevil introduced for biological control of Scotch broom.
2254

Progress report on Johnsongrass control in orchards.
2256

Comparison of herbicides and times of spraying for the control of blackberry (Rubus fruticosus).
2258

Domestic quarantine notices. Witchweed. Regulated areas.
2259

Selective herbicides control weeds in lucerne at Cowra.
2262

WEEDS
Potato tuber eelworm.
2249

Arceuthobium pusillum on eastern larch in Wisconsin.
2257

WHEAT
Morphology of the head capsule of Aelia rostrata Boh. (Hemiptera: Pentatomidae).
2051

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2151

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2156

Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses.
2185

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins.
2230

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The residual contact toxicity to honey bees of insecticides sprayed on to white clover (Trifolium repens L.) in the laboratory.
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WILT
Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

Purification and properties of broad bean wilt virus.
2189

WIND
Wind dispersal of Puccinia horiana.
2196

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Wing micro-sculpturing in termite genera Odontotermes, Hypotermes and Microtermes (Termitidae: Macrotermitinae) and its taxonomic value.
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Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration.
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Annotated list of insects infesting bark and wood of Fraser fir.
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Comandra rust damage to ponderosa pine in Oregon and Washington.
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Selection methods for pathogenic forms of microorganisms.
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XANTHOMONAS
Bacteriophage reactions and pathogenic spectra of Xanthomonas species to cotton.
2135

XANTHOMONAS ORYZAE
Epidemiology and prevention of bacterial blight disease of rice in India.
2183

XIPHINEMA
Reduction in mortality of peach trees following preplant soil fumigation.
2103

XIPHINEMA AMERICANUM
Systemic pesticides for control of sting and stubby-root nematodes on vegetables.
2239

XYLEM
Ontogeny of vessels influence the development of Verticillium in young cotton plants.
2166

YELLOW DWARF
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals.
2179

YELLOW FEVER
Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

YELLOWS
Preference of green peach aphids for virus-infected sugarbeet leaves.
2224

YOLK SAC
Cellular and extracellular activities implementing selective assimilation of yolk proteins by Cecropia oocytes.
1919

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in Leucophaea maderae.
2046

ZANCLOGNATHA TENUIALIS
Some interesting Noctuidae finds from the Tessin.
1908

ZEBU CATTLE
Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica.
2361

ZECTRAN
The effects of IPC, CIPC, Sevin and Zectran on Bacillus subtilis.
2132

ZINC
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.
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Crop response to applied zinc in ammoniated phosphate fertilizers.
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Ain Shams Univ., Cairo, Egypt; Faculty of Agriculture
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Pakistan Council of Scientific and Industrial Research,; Karachi
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Agricultural Research Service, Beltsville, Md.; Crops Research Div.
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Adler, V E
Agricultural Research Service, Beltsville, Md.; Entomology Research Div.
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Ahmad, I
Karachi Univ., Pakistan; Dept. of Zoology
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Akrabawi, S S
California Univ., Davis
2273

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Oregon State Univ., Corvallis
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Amman, G D
Forest Service, Ogden, Utah; Intermountain Forest and Range Experiment Station
2200

Amos, T G
Dundee Univ., Scotland; Dept. of Natural History
1917

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Instytut Weterynarii, Pulawy, Poland; Zaklad Chorob Bydla
2274

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Instytut Weterynarii, Pulawy, Poland; Zaklad Chorob Bydla
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Sydney Univ., Australia; School of Biological Sciences
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Pennsylvania Univ., Philadelphia
1919

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Minnesota Univ., Minneapolis
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Andres, L A
Agricultural Research Service, Albany, Calif.; Agricultural Experiment Station
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1920

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Delaware Univ., Newark
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Hawaii Univ., Honolulu; Dept. of Genetics
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Manchester University, England; Department of Zoology
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Paris Univ., France; Lab. d'Evolution des Etres organises
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Siena Univ., Italy; Istituto di Zoologia
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Station Federale d'essais agricoles, Lausanne, Switzerland
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Vikram Univ., Ujjain, India; School of Studies in Zoology
1922

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Entomology Research Div., Stoneville, Miss. 38776
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California Univ., Berkeley; Dept. of Plant Pathology
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Agricultural Research Service, Mesa, Ariz.; Entomology Research Div.
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Calcutta Univ., India; Entomology Lah.
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Agricultural Research Service, Beltsville, Md.; Crop Research Div.
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Windsor, 129 Smiths Lane, England
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Grupo de Genetica Quantitiva, Lishon, Portugal
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Sidney Univ., Australia; Joint Unit of Animal Ecology
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Sydney Univ., Australia; Joint Unit of Animal Ecology
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Directorate of Extension, New Delhi, India
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Kansas State Univ., Manhattan
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Florida State Board of Health, Jacksonville
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Georgia Univ. Coll. of Agriculture Experiment Stations,; Tifton; Coastal Plain Station
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Minnesota Univ., Minneapolis
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Bennett's Animal Clinic, Port-of-Spain, Trinidad
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Biologische Bundesanstalt fur Land- und Forstwirtschaft,; Braunschweig, West Germany; Inst. fur Virusserologie
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Berczi, I
Montreal Univ., Case Postale 6128, Quebec, Canada; Inst. of Experimental Medicine and Surgery
2279

Berczi, I
Montreal Univ., Quebec, Canada; Inst. of Experimental Medicine and Surgery
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Bertus, A L
Department of Agriculture, Rydalmere, Australia; Biology Branch
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Varna, Boul. Chervenoameisky 4, Bulgaria
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Tierarztlicher Hygienedienst, Berlin, East Germany; Veterinar-Hygiene Inspektion
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Government Coll., Ajmer, India; Dept. of Zoology
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Melbourne Univ., Parkville, Australia; Dept. of Genetics
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Melbourne Univ., Australia; Dept. of Genetics
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Tubingen Univ., West Germany; Zoologisches Inst.
1931

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Virginia Polytechnic Inst. Research Div., Charlottesville; Piedmont Research Lab.
1932

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Virginia Univ., Charlottesville; Dept. of Biology
1933

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Lishoa Univ., Portugal; Botanical Inst.
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Missouri Univ., Columhia; Dept. of Plant Pathology
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Central Storage Depot, Hapur, Uttar Pradesh, India
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Bourdin, P
Institute D'Elevage et de Medecine Veterinaire des Pays; tropicaux, Maisons-Alfort, France
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Mississippi State Univ., State College; Dept. of Entomology
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Rutgers Coll. of Agriculture and Environmental Science,; New Brunswick, N. J.
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Paris, France
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Agricultural Research Service, Tifton, Ga.; Crops Research Div.
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Arizona Univ., Tucson; Dept. of Entomology
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Agricultural Research Service, State College, Miss.; Boll Weevil Research Lab.
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Agricultural Research Service, Brownsville, Tex. 78520; Entomology Research Div.
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Agricultural Research Service, Gainesville, Fla. 32601; Entomology Research Div.
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Agricultural Research Service, Raleigh, N. C.; Crops Research Div.
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Bezirks-Hygiene-Inst. potsdam, East Germany; Abteilung fur Medizinische Parasitologie
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Ciba Ltd., Basle, Switzerland
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Agricultural Research Service, Lincoln, Nebr. 68503; Entomology Research Div.
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Oregon State Univ., Corvallis; Dept. of Botany and Plant Pathology
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Instituto Gulbenkian de Ciencia, Oeiras, Portugal; Centro de Biologia
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Centro Comune Ricerche Nucleari-ISPRA; EURATOM-SERVICIO: Biologia-Settore: Entomologia
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Agricultural Research Service, Urbana, Ill.; Crops Research Div
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Georgia Univ Coll. of Agriculture Experiment Stations,; Georgia Station
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Florida Forest Service, Tallahassee
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Zurich Univ., Switzerland; Zoologisch-vergleichend anatomisches Inst.
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Central Plant Protection Station, Dharwar, India
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Forest Service, Portland, Oregon; Pacific Northwest Forest and Range Experiment Station
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Ustredni Kontrolni a Zkusebni Ustav Zemedelsky, Brno; Odbor Karanteny a Ochrany Rostlin
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Minnesota Univ., St. Paul; Dept of Plant Pathology
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Makerere Univ. Coll. Medical School, Kampala, Uganda; Dept. of Anatomy
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Maryland Univ., Coll. Park 20742; Dept. of Entomology
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Department of Agriculture, Wellington, New Zealand; Wallaceville Animal Research Centre
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Agricultural Research Service, Beltsville, Md.; Entomology Research Div.
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Ministere Canadien des Forets et du Developpement rural,; Quebec; Lab. de Recherches forestieres
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Collins, J F
North Carolina Univ., Chapel Hill
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Cooper, C S
Agricultural Research Service; Crops Research Div.
2106

Cooper, J E
Quantocks, New Wokingham Road, Crowthorne, Berks, England
2266

Cordell, C E
Forest Service, Ashville, N. C.; Southeastern Area
2129

Coster, J E
Texas A. and M. Univ., College Station; Dept. of Entomology
1943

Cothran, W R
California Univ., Davis; Dept. of Entomology
1944

Crall, J M
Florida Univ., Leesburg; Watermelon and Grape Investigations Lab.
2130

Cross, W H
Agricultural Research Service, State College, Miss.; Entomology Research Div.
1945

Crovetti, A
Sassari Univ., Italy; Istituto di Entomologia
1946

Crystal, M M
Agricultural Research Service, Mission, Texas; Entomology Research Div.
1947

Dahl, R
Helsingborg, Eskilsgatan 28,sweden
1875

Dallai, R
Siena Univ., Italy; Istituto di Zoologia
1948

Danieli, G A
Padova Univ., Italy; Inst. di Zoologia, Anatomia comparata e Genetica
1949

Daniels, N E
Department of Agriculture Southwestern Great Plains; Research Center, Bushland, Tex.; Texas Agricultural Experiment Station
2214

Das, C
Animal Husbandry and Veterinary Dept., Assam, Gauhati,; India
2286

Datta, S K de
International Rice Research Inst., Los Banos, Laguna,; Philippines
2445

Daum, R J
Agricultural Research Service, State College, Miss.; Entomology Research Div.
1859

Daynes, P
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2361

DeGiovanni-Donnelly, R
Bionetics Research Labs., Inc., Falls Church, Va.
2132

Demski, J W
Georgia Station, Experiment, Ga.; Dept. of Plant Pathology
2131

Denarie, J
Station de Recherches de Microbiologie des Sols, Dijon,; France
2240

Desi, I
University Medical School, Budapest, Hungary; Neuropathophysiological Lab.
2428

Desjardins, P R
California Univ., Riverside; Dept. of Plant Pathology
2133

Dietz, A
Clark Coll., Atlanta, Ga.
1950

Diniz, C R
Minas Cerais Univ. Federal, Belo Horizonte, Brasil; Dept. de Bioquimica
2429

Docavo Alberti, I
Facultad de Ciencias, Valencia, Spain; Catedra de Biologia
1877

Dogra, G S
Udaipur Univ., India; Dept. of Zoology
1951

Donart, G B
Utah State Univ., Logan
2446

Dorough, H W
Texas A. and M. Univ., College Station; Dept. of Entomology
2267

Dowler, W M
Agricultural Research Service, Clemson, S. C.; Crops Research Div.
2134

Drummond, R O
Agricultural Research Service, Kerrville, Tex.; Entomology Research Div.
1952

Ebert, E
J. R. Geigy S. A., Bale, Switzerland, Dept. Prod. Antiparasitaires
2255

Eckert, M
Friedrich-Schiller-Univ., Jena, West Germany; Zoologischen Inst.
1954

Efferson, J N
Louisiana State Univ., Baton Rouge; Coll. of Agriculture
2107

Egunjobi, O A
Ibadan Univ., Nigeria; Dept. of Agricultural Biology
2241

Ehrhardt, P
Bonn Univ., West Germany; Inst. fur Angenandte Zoologie
1955

Ehrlein, H J
Tierarztliche Hochschule, Hannover, West Germany; Physiologisches Inst.
2287

Ehsan, A
Pakistan Council of Scientific and Industrial Research,; Lahore
2384

Ekholm, S
Agricultural Research Center, Dickursby, Finland; Dept. of Pest Investigation
2215

El-Kadi, M
Ain Shams Univ., Cairo, Egypt; Faculty of Agriculture
2447

El-Sharkawy, T A
North Carolina State Univ., Raleigh
2135

Elkan, E
Shrodells Hospital, Watford, England; Group IX Pathological Lab.
2288

Ellenby, C
The University, Newcastle upon Tyne, England; Dept. of Zoology
2242

Elmore, C L
California Univ., Davis; Agricultural Experiment Service
2256

Epps, J M
Agricultural Research Service, Jackson, Tenn.; Crops Research Div.
2243

Evans, W C
University Coll. of North Wales, Bangor; Dept. of Biochemistry and Soil Science
2397

Evlakhova, A A
Plant Protection Inst., Leningrad, USSR
1956

Fain, A
Institut de Medecine Tropicale Prince Leopold, Anvers,; Belgium
1957

Farkas, I
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2430

Farooqui, M N
Marathwada Univ., Aurangabad, India; Dept. zoology
1958

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Marathwada Univ., Aurangabad, India; Dept. of Zoology
1959

Farrow, R P
National Canners Association, Washington, D. C.
2398

Fastovskaya, E I
Institute of Parasitology and Tropical Medicine, Moscow,; Ussr
2289

Fayaraman, M S
Institute of Veterinary Preventive Medicine, Ranipet, India
2290

Feeny, R W
Maryland Univ., College Park
2448

Feider, Z
Al. I. Cuza Univ., Iasi, Rumania; Lab. de Zoologie
1878

Fenili, G A
Stazione di Entomologia Agraria, Florence, Italy
1960

Fenili, G A
Stazione di Entomologia Agraria, Florence, Italy
1961

Fernandez, A T
Agricultural Research Service, Brownsville, Tex.; Entomology Research Div.
1962

Fisher, F E
Florida Univ., Lake Alfred; Citrus Experiment Station
2136

Flattum, R F
Illinois Univ., Urbana
1963

Fleischmann, G
Canada Dept. of Agriculture, Winnipeg, Manitoba; Research Station
2108

Fliegel, P
Rutgers Univ., New Brunswick, N. J.; Dept. of Entomology and Economic Zoology
2244

Fontanges, R
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2291

Ford, R E
Iowa State Univ., Ames; Dept. of Botany and Plant Pathology
2137

Franchi, P
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2363

Franker, C K
California Univ., Los Angeles; Division of Oral Biology
2292

Frankham, R
Canada Dept. of Agriculture, Lacombe, Alberta; Research Station
2076

Frankham, R
Canada Dept. of Agriculture, Lacombe, Alberta; Research Station
2077

Freeman, G H
East African Agriculture and Forestry Research Organization; Nairobi, Kenya
2109

Friend, M
New York State Conservation Dept.
2293

Frishman, A M
Purdue Univ., Lafayette, Ind.
1965

Fristrom, J W L
California Univ., Berkeley 94708; Dept. of Genetics
2078

Gaines, T B
Department of Health, Education, and Welfare, Atlanta, Ga.; Toxicology Lab.
2431

Gara, R I
Washington Univ., Seattle; Coll. of Forest Resourses
1966

Garcia-Bellido, A
C. S. I. C., Madrid, Spain; Inst. Ramon y Cayal
2079

Geispits, K F
Zhdanov (A. A.) University of Leningrad; Laboratory of Entomology
1967

Georghiou, G P
California Univ., Riverside; Dept. of Entomology
1968

Getzendaner, M E
California Univ., Riverside 92502; Dept. of Entomology
2399

Gibbs, G W
Victoria Univ., Wellington, New Zealand; Dept. of Zoology
1969

Ginns, J H
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2138

Girolami, V
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1970

Gluud, A
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1971

Gluud, A
Frankfurt Univ., West Germany; Zoologischen Inst.
1972

Godan, D
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1973

Gonzalez, D
California Univ., Riverside; Dept. of Biological Control
1974

Graham, J
North Carolina State Univ., Raleigh
1975

Greer, G L
Carlton Univ., Ottawa, Ontario, Canada; Dept. of Biology
2400

Grison, P
I. N. R. A., La Miniere, France; Laboratoire de Lutte biologique
1976

Guerra, A A
Agricultural Research Service, Brownsville, Texas; Entomology Research Div.
2216

Gutenmann, W H
Cornell Univ., Ithaca, N. Y. 14850; Pesticide Residue Lab.
2296

Hackman, W
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1879

Hadorn, E
Zurich Univ., Switzerland; Zoologisch-vergleichend Anatomisches Inst.
1977

Hadwiger, L A
Washington State Univ., Pullman; Dept. of Plant Pathology
2139

Hamilton, D J
Department of Primary Industries, Brishane, Australia
2401

Hardee, D D
Agricultural Research Service, State College, Miss.; Boll Weevil Research Lab.
1978

Hardee, D D
Agricultural Research Service, State College, Miss.; Boll Weevil Research Lab.
2217

Harris, R L
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1860

Harrison, D L
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2402

Harrison, J
National Agricultural Advisory Service, England; East Midland Region
2297

Hartung, R
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2432

Heikinheimo, O
Agricultural Research Centre, Tikkurila, Finland; Dept. of Pest Investigation
1880

Hellen, W
Zoologisches Museum, Helsinki, Finland
1882

Henriques, M C
Minas Gerais Univ. Federal, Belo Horizonte, Brasil; Dept. de Bioquimica
2433

Herforth, R S
Nebraska Univ., Lincoln
1979

Herne, D H C
Canada Dept. of Agriculture, Vineland Station, Ontario; Research Station
2080

Hightower, B G
Agricultural Research Service, Mission, Tex.; Entomology Research Div.
1980

Hinton, H E
Bristol Univ., England, Dept. of Zoology
1981

Hinton, H E
Commonwealth Scientific and Industrial Research; Organization, Canberra, Australia; Div. of Entomology
1982

Hinton, H E
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1983

Hofmann, K
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2263

Hort, I
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2434

Hosgood, S M W
La Trobe Univ., Bundoora, Australia; School of Biological Sciences
2081

Hosny, M M
Ain Shams Univ., Cairo, Egypt; Faculty of Agriculture
1985

Hourrigan, J L
Agricultural Research Service, Hyattsville, Md.; Animal Health Div.
2354

Howland, A F
Agricultural Research Service, Riverside, Calif., Entomology Research Div.
1986

Hughes, J T
Department of Scientific and Industrial Research, Lower; Hutt, New Zealand; Chemistry Div.
2403

Huther, W
Saarbrucken Univ., West Germany; Zoologisches Inst.
1884

Ignoffo, C M
International Minerals and Chemical Corp. Growth Sciences; Center, Libertyville, Ill.
1987

Illing, K
Bezirkstierklinik, Bad Langensalza, East Germany
2299

Ishii, S
Kyoto Univ., Japan; Pesticide Research Inst.
1988

Itikawa, O
Tohoku Univ., Sendai, Japan; Dept. of Animal Husbandry
2300

Janda, V
J.-E.-Purkyne-Univ., Brno, Czechoslovakia; Abteilung fur Vergleichende Physiologie
1989

Jander, R
Frankfurt A M Univ., West Germany; Zoologisches Inst.
1990

Jenkins, P T
Victorian Plant Research Inst., Burnley, Australia
2140

Jensen, H J
Oregon State Univ., Corvallis; Dept. of Botany and Plant Pathology
2245

Johnson, L A S
Royal Botanic Gardens, Sydney, Australia; National Herbarium of New South Wales
1885

Jones, C M
Agricultural Research Service, Lincoln, Nebr.; Entomology Research Div.
1991

Josephson, L M
Department of Agriculture, Knoxville, Tenn.; Agricultural Research Service
2141

Josifov, M
Bulgarian Academy of Sciences, Sofia; Zoological Inst.
1886

Judy, K J
Northwestern Univ., Evanston, Ill.
1992

Juszkiewicz, T
Instytut Weterynarii, Pulawy, Poland; Zaklad Farmakologii i Toksykologii
2301

Kado, C I
California Univ., Davis; Dept. of Plant Pathology
2142

Kadoum, A M
Kansas State Univ., Manhattan; Dept. of Entomology
1993

Kaiser, E
Vienna Univ., Austria; Dept. of Medical Chemistry
2435

Kalra, D S
Punjab Agricultural Univ., Hissar, India; Dept. of Veterinary Bacteriology and Hygiene
2302

Kapoor, R P D
Gorakhpur Univ., India; Dept. of Zoology
1994

Kapoor, S P
Punjab Agricultural Univ., Ludhiana, India; Dept. of Botany and Plant Pathology
2143

Kashin, P
IIT Research Inst., Chicago, Ill.; Life Sciences Div.
1861

Kasy, F
Vienna, Austria
1995

Katcho, Z A
Experimental Station, Aru-Ghraib, Iraq; Div. of Entomology and Plant Pathology
2246

Keller, F A
Rutgers-State Univ., New Brunswick, N. J.
2144

Kelsey, J M
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1996

Kelsey, J M
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1997

Kelsey, J M
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2218

Kelsey, J M
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2404

Khalaf, K T
Loyola Univ., New Orleans, La.
1888

Khan, A A
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2098

Khan, A H
Atomic Energy Agricultural Research Centre, Tando Jam.
2082

Kinloch, R A
California Univ., Davis
2247

Kinnear, J F
Melbourne Univ., Parkville, Australia; Dept. of Genetics
1998

Kliejunas, J T
Wisconsin Univ., Madison; Dept. of Plant Pathology
2257

Klimaszewski, S
M. Curie-Sklodowska Univ., Lublin, Poland; Dept. of Systematic Zoology
1999

Kling, J M
Florida Univ., Gainesville
2269

Kluge, J P
George Washington Univ., Wash., D.C.
2307

Koppenhofer, E
Saarlandes Univ., Homburg, West Germany; Physiologisches Inst.
2436

Kozera, W
Katedra Hodowli Roslin i Nasiennictwa, Cracow, Poland
2145

Kraczkowski, H
Wyzsza Szkola Rolnicza, Lubin, Poland; Katedra Chemii Fizjologicznej
2310

Kraft, J M
Agricultural Research Service, Prosser, Wash.; Crops Research Div.
2146

Kreutzer, R D
Illinois Univ., Urbana
2083

Krivolutsky, D A
Akademie der Wissenschaften, Moscow, UdSSR; Lab. fur Bodenzoologie
1889

Kuc, J
Purdue Univ., Lafayette, Ind.; Dept. of Biochemistry
2147

Kuhlman, E G
Forest Service, Research Triangle Park, N. C.; Forestry Sciences Lab.
2148

Kurkdjian, A
Institut Pasteur, Paris, France
2149

Lal, H
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2311

Lamb, F C
National Canners Association, Berkeley, Calif. 94710
2418

Lamb, K P
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2219

Lambert, S M
Shell Development Co., Modesto, Calif. 95350
2464

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2220

Landis, B J
Agricultural Research Service, Yakima, Wash.; Entomology Research Div.
2221

LaRow, E J
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2000

Latshaw, W K
Saskatchewan Univ., Saskatoon, Canada; Western Coll. of Veterinary Medicine
2312

Le Minor, L
Institut Pasteur, Paris, France
2437

Leath, K T
Department of Agriculture, University Park, Pa.; Regional Pasture Research Lab.
2222

Leggett, J E
Agricultural Research Service, Tucson, Ariz.; Entomology Research Div.
2001

Lehrer, A Z
Academie de la Republique Socialiste, Romania; Centre de recherches biologiques
1890

Leuamsang, P
Ministry of Agriculture, Bangkok, Thailand, Rice Protection Research Center
2002

Lewis, J C
Adelaide Univ., South Australia; Dept. of Human Physiology and Pharmacology
2438

Lichtenstein, E P
Wisconsin Univ., Madison 53706; Dept. of Entomology
2419

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1891

Linley, J R
Entomological Research Center, Vero Beach, Fla.
2003

Linley, J R
Entomological Research Center, Vero Beach, Fla
2004

Lipkow, E
Kiel Univ., Germany; Inst. fur Phytopathologie
2223

Lloyd, J E
Florida Univ., Gainesville; Dept. of Entomology and Nematology
2005

Lugetti, G
Pisa Univ., Italy; Istituto di Biologia generale
1892

Lvova, L S
All-Union Research Inst. of Grain and Products of its; Processing
2381

Macias, W
Institute of Vegetable Crops, Skieniwice, Poland
2224

Mackay, M R
Canada Dept. of Agriculture, Ottawa, Ontario, Canada; Entomology Research Inst.
1893

MacKenzie, D R
Pennsylvania State Univ., University Park; Dept. of Plant Pathology
2150

Mackerras, M J
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1894

MacNamara, G M
Rutgers-State Univ., New Brunswick, N. J.
2420

Maestrone, G
Hoffmann-La Roche, Inc., Nutley, N. J.; Agricultural Chemotherapy Lab.
2316

Mahdihassan, S
Square Pharmaceuticals Ltd., Pabna, East Pakistan
2006

Mahunka, S
Hungarian Natural History Museum, Budapest, Dept. of Zoology
1895

Mainland, C M
Rutgers-State Univ., New Brunswick, N. J.
2450

Malzacher, P
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2007

Manning, W J
Delaware Univ., Newark
2451

Manuel, A J
American Cyanamid Co., Princeton, N. J. 08540; Agricultural Div.
2421

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2373

Marsh, C L
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2317

Martin, J S
Michigan Univ., Ann Arbor
2008

Martins, R
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1896

Masner, L
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1897

Mathur, L M L
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2009

Mathur, L M L
Udaipur Univ., India; Agricultural Experiment Station
2010

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2318

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2319

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2320

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2452

McCoy, C W
Agricultural Research Service, Orlando, Fla.; Entomology Research Div.
2225

McDonald, I C C
Virginia Polytechnic Inst., Blacksburg
2011

McDonald, S
Canada Dept. of Agriculture, Lethbridge, Alberta
2012

McDonough, L M
Agricultural Research Service, Yakima, Wash.; Entomology Research Div.
2013

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2014

McIntosh, R A
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2151

McKnight, M E
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2226

McManus, M L
Purdue Univ., Lafayette, Ind.
2015

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1898

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2321

Melis, G
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2016

Mendoza, C E
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2453

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Department of National Health and Welfare, Ottowa,; Ontario; Food and Drug Directorate
2465

Meredith, D S
Hawaii Univ., Honolulu
2152

Mierzejewski, T
Wyzsza Szkola Rolnicza, Lublin, Poland; Katedra Chemii Fizjologicznej
2322

Miksic, S
Zemaljski Muzej, Sarajevo, Yugoslavia
2017

Milicic, D
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2153

Miller, P M
Connecticut Agricultural Experiment Station, New Haven; Dept. of Plant Pathology
2248

Mircetich, S M
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2154

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2227

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2228

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2155

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2356

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2454

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1899

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2455

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2156

Mulla, M S
California Univ., Riverside; Dept. of Entomology
2018

Munns, D N
California Univ., Davis; Dept. of Soils and Plant Nutrition
2157

Murray, K F
California State Dept. of Public Health; Bureau of Vector Control
2357

Namm, T
New Hampshire Univ., Durham
2158

Nassar, R F
Kansas Agricultural Experiment Station, Manhattan; Dept. of Statistics and Computer Science
2084

Nault, L R
Ohio Agricultural Research and Development Center, Wooster; Dept. of Zoology and Entomology
2019

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2229

Nelson, C B
Fillmore, Calif.
2358

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Arizona Univ., Tucson; Dept. of Plant Pathology
2159

Nelson, R R
Pennsylvania State Univ., University Park; Dept. of Plant Pathology
2160

Nemec, S J
Texas A. and M. Univ., College Station; Dept. of Entomology
2020

Nemenz, H
Wien Univ., Austria; Zoologischen Inst.
1900

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Copenhagen, Denmark
2324

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2374

Nottingham, P M
Meat Industry Research Inst. of New Zealand, Hamilton
2325

Nuesch, H
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2021

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1901

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2327

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2456

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2162

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2022

Otte, D
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2023

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2439

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1902

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2440

Palmisano, A M
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2250

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2328

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2441

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2163

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2329

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2085

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2258

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2164

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2024

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2025

Patterson, w J
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2026

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2027

Peterson, A J
Canterbury Univ., New Zealand; Dept. of Zoology
2028

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2086

Pine, T S
Agricultural Research Service, Davis, Calif., Crops Research Div.
2165

Pinto, J D
Illinois Univ., Urbana
1903

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2330

Platner, G R
California Univ., Riverside; Dept. of Biological Control
2029

Ploffs, P C
Wisconsin Univ., Madison
2457

Pohlhammer, K
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2030

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2031

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2331

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2332

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2166

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1904

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2110

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1905

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2230

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2167

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2032

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2333

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2468

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2087

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2334

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Kluge, J P 2307
Knight, C A 2142
Knisely, B E 2354
Knorr, L C 2235
Kobayashi, K 2308
2309
Kolbye, S M 2132
Koppenhofer, E 2436
Kozera, W 2145
Kraczkowski, H 2310
Kraft, J M 2146
Kreutzer, R D 2083
Krishnanandam, Y 2032
Krivolutsky, D A 1889
Kubli, E 1940
Kuc, J 2147
Kuhlman, E G 2148
Kulvinova, I N 2289
Kurkdjian, A 2149
Kusuhara, S 2300
Kuwahara, Y 1988
Lal, H 2311
Lam, J J 2056
2057, 2058
Lamb, F C 2398
2418
Lamb, K P 2219
Lambert, S M 2464
Lamborot, M 2068
Lammerink, J 2220
Lande, I S de la 2438
Landis, B J 2221
Lange, A H 2256
LaRow, E J 2000
Latshaw, W K 2312
Laviolette, R 2048
Lazzeroni, G 1921
Le Minor, L 2437
Leath, K T 2222
Leggett, J E 2001
Lehrer, A Z 1890
Leone, I A 2387
Leuamsang, P 2002
Levin, S 2295
Lewis, J C 2438
Lewis, W G 2469
Ley, H L 2270
2313, 2364
Ley, H L Jr 2365
Ley, H L Jr. 2271
2272, 2314, 2315, 2355, 2366,
2367, 2368, 2369, 2370, 2371,
2372
Lichtenstein, E P 2419
Liese, W 2449
Lindgren, D L 2399
Lindqvist, E 1891
Linley, J R 2003
2004
Lipkow, E 2223
Lisk, D J 2296
Lloyd, J E 2005
Loeffler, K 2287
Lopez, F 1924
Lowe, A D 2219
Lugetti, G 1892
Luig, N H 2151
Lukefahr, M J 1962
Luscher, M 2046
Lvova, L S 2381
Lyhs, L 2349
Macias, W 2224
Mackay, M R 1893
MacKenzie, D R 2150
2192
Mackerras, M J 1894
MacNamara, G M 2420
Maestrone, G 2316
Magbanua, J T 2445
Mahdihassan, S 2006
Mahmoud, S 2462
Mahunka, S 1895
Maibach, H I 2098
Mainland, C M 2450
Malzacher, P 2007
Mancebo, V 2078
Manigault, P 2149
2004
Manning, W J 2451
Manuel, A J 2421
Markell, E K 2373
Marsh, C L 2317
Martin, J S 2008
Martin, M D 1998
Martins, R 1896
Masner, L 1897
Mathur, L M L 2009
2010
Maurice, Y 2318
2319
Mawdesley-Thomas, L E 2320
Maximos, S E 2452
Maxwell, F G 1923
2208
McCoy, C W 2225
McCully, K A 2465
McDonald, I C C 2011
McDonald, S 2012
McDonough, L M 2013
2014
McIntosh, R A 2151
McKenzie, R I H 2108
McKibben, G H 1859
McKinley, W P 2426
McKittrick, R T 2159
McKnight, M E 2226
McLaughlin, E L 2399
McLeod, H A 2426
McManus, M L 2015
Mebus, C A 2317
Meier, W 1898
Meinershagen, W A 2321
Melis, G 1948
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Mendoza, C E 2426
2453, 2465
Menzer, R E 2388
Meredith, D S 2152
Merkl, M E 1978
Mierzejewski, T 2322
Miksic, S 2017
Milicic, D 2153
Miller, J A 1860
Miller, P M 2248
Miller, W V 2358
Millikan, D F 2123
2199
Mindek, G 1977
Mink, G I 2224
Mircetich, S M 2154
Miserocchi, A F 2468
Mistric, W J 2227
2228
Mitchell, E B 1945
1978, 2217
Mitchell, H C 1945
1978
Mitchell, J E 2155
Mitchell, W G 2356
Mitry, S H 2073
Mohanty, G P 2323
Montuelle, B 2454
Morel, P C 1899
Mortuedt, J J 2455
Mount, M S 2156
Mulla, M S 1968
2018
Muller, P W 2255
Munns, D N 2157
Murray, K F 2357
Nafornita, M 2294
2295
Nagai, H 2172
Naito, N 2377
Namm, T 2158
Nassar, R F 2084
Nault, L R 2019
Navolneeva, I N 2467
Nedyalkov, K 2330
Negm, A A 2229
Nelson, C B 2358
Nelson, M R 2159
Nelson, R R 2160
Nemec, S J 2020
Nemenz, H 1900
Neufeld, G J 1998
Newton, R C 2222
Nichols, F 1945
Nielsen, H T 2003
2004
Nielsen, K 2324
Niemczyk, H D 1920
Nilsson, O 2374
Nistor, T 2295
Nomata, K 2377
Norwood, B L 2204
Nottingham, P M 2325
Nozaki, C 2326
Nuesch, H 2021
Nunberg, M 1901
O's8callaghan, D J 2327
Oatman, E R 2029
Obrig, T G 2456
Ochin, D 2454
Ogawa, J M 2181
Olson, E O 2161
Omran, A O 2162
Onsager, J A 2022
Orphanides, G M 1974
Otte, D 2023
Overton, J R 2141
Oye, E van 2439
Pacheco, F 1902
Paim, U 2400
Palmer-Jones, T 2440
Palmisano, A M 2250
Pandurangrao, C C 2328
Papa, F 2441
Papavizas, G C 2444
Pappelis, A J 2163
Parks, E 2329
Parsons, P A 2081
2085
Parsons, W T 2258
Partridge, A D 2164
Pass, B C 1920
Patel, H K 2024
2025
Patel, J R 2024
2025
Patel, V C 2024
2025
Patterson, w J 2026
Pausch, R D 2027
Pederson, N 2351
Peterson, A J 2028
Petitpierre, E 2086
Pine, T S 2165
Pingale, S V 2230
Pinto, J D 1903
Pishev, D 2330
Pitre, H N 2206
Pitts, C W 1927
Platner, G R 2029
Ploffs, P C 2457
Plowman, K M 2332
Pohlhammer, K 2030
Polles, S G 2031
Pomeroy, B S 2331
Portman, R S 2332
Potemkina, S G 2289
Predescu, S 1953
Presley, J T 2166
Price, D A 2321
Provost, A 2318
Puca-Ciudin, M 2294
Puthz, V 1904
Qualls, M 2106
2110
Raab, W 2435
Ragge, D R 1905
Rai, L 2230
Rai, P V 2167
Ramamurty, P S 2032
Randall, C C 2327
Rao, Y P 2183
Rastas, V P 2333
Ratcliffe, R H 2101
2204
Rathburn, C B 2468
Rathie, K A 2087
Ratuld, Y de 2334
Rawlings, J O 2101
Raychaudhuri, D N 1925
Razafindratsita, M 2335

Reddy, K K 1922
Reddy, T K R 2458
Reichmuth, W 2442
Reid, J S 2376
Reim, G 2375
Reinganum, C 2189
Renwick, J A A 2033, 2065
Resende, F 2122, 2125
Ribot, J J 2335
Richards, W P C 2336
Richter, J 2168
Ridgway, R L 2231
Riebeck, P A 2292
Riek, E F 2034
Riemann, J G 2035
Rillo, F O 2114
Ringlund, K 2111
Rizza, A 2254
Roberts, D D 2146
Robertson, G I 2169
Robertson, P L 2036
Robinson, J 2422
Rockel, E G 2037
Rodino, E 1949
Rodriguez-Kabana, R 2459
Rodriguez, J G 2423
Rogers, B 2161
Rogoff, M H 2050
Ronquillo, M C R 2038
Roonwall, M L 1906
Root, R B 2039
Roseler, P-f 2040
Rosen, D 2041
Rossi, C R 2337
Roy, R 1905
Rozmus, M 2170
Ruppel, E G 2112
Rupprecht, W 1931
Russell, J D 2466
Sachs, M 2460
Saini, M L 2232
Sakagami, S F 2042
Sakimoto, R 2237
Sakuma, H 2300
Salama, E A 2171
Salisbury, R M 2346
Salomao, T A 2175
Sarid, J N 2230
Sarin, K 2043, 2044
Sarlet, L G 1907
Sauter, W 1908
Saxena, S C 2043, 2044
Schaler, G 2233
Schalk, V 2045
Schedl, K E 1909
Schenck, N C 2130
Scheurer, R 2046
Schimmel, D 2338
Schmidt, D 2339
Schmidt, H 2436
Schmidt, R E 2376
Schroeter, G L 2088
Schubiger, G 1977
Schulz, K R 2419
Schwochau, M E 2139
Scriha, M E L 2089
Scudder, G G E 1910
Seifert, G W 2353
Selbime, A G 2225, 2234
Sellhorn, K 2265
Semar, R 2316
Semov, P 2330
Service, M W 1911
Shaaya, E 1933
Shabaan, A 2447
Shanks, V 2402, 2424
Shanmugasundaram, S 2172
Shapiro, A M 2047
Sharma, M L 2048
Sharma, R D 2251
Shaver, T N 2216
Shawky, I 2462
Shegoleva, L I 2049
Shepherd, D R 2259
Shepherd, R J 2173
Shirley, G 2346
Shlyaposbnikov, M S 2289
Siemer, S R 2174
Silberschmidt, K 2175
Silfverberg, H 1912, 1913
Sill, W H 2171
Simandle, P A 2188
Simanton, W A 2235
Simkover, H G 2358
Simons, M D 2176
Sinclair, D P 2340
Sinden, S L 2177
Singer, S 2050
Sirbu, C 1953
Sisli, N 2051
Six, K M 2341
Skelsey, J J 2039
Skepper, A H 2236
Skilling, D D 2129
Slaughter, L J 2342
Small, G D 2178
Smith, E L 2052
Smith, H C 2179
Smith, J J 2256
Smith, P R 2189
Smith, S H 2117
Smittle, B J 1935
Sobers, E K 2180
Sobrio, G 1908
Solly, S R B 2424
Sonleitner, F J 2205
Sonoda, R M 2181
Sorelius, L 2374
Sowell, G 2182
Sprenkel, R K 2053
Srivastava, D D 2260
Srivastava, D N 2126, 2183
St. John, L E Jr. 2296
Stadelbacher, E A 2054
Stan, M 2295
Staub, M 1977
Steiner, H 2113
Steinbaus, E A 2090
Stephen, W F 2055
Stern, C 2091
Stewart, D 2078
Stewart, P A 2056, 2057, 2058
Stino, G R 2452
Stodart, E 2343
Stokes, D R 2062
Stone, B F 2092, 2093
Strauss, W G 2098
Strickland, R K 2354
Strickland, R W 2184
Stubbs, R W 2185
Subramanian, S 2186
Summers, L A 2187
Surman, P G 2344
Sutter, G R 2059
Sutter, J L 2425
Sutton, R A 2234
Sweedman, R 2236
Sweeney, J P 2188
Swihart, S L 2060
Taha, A H Y 2261
Takafuji, E T 2062
Takagi, S 2377
Tamate, H 2300
Taniguchi, M 2377
Taniguchi, T 2237
Tao, M 2178
Taylor, E E 2166
Taylor, R H 2189
Tembe, V B 2043, 2044
Teutsch, T 2021
Theron, J G 2061
Thiele, O W 2345
Thompson, J A 1998
Thornton, R H 2346
Tickner, N S 2262
Timson, J 2443
Tishler, F 2425
Toba, H H 1986
Tokunaga, C 2091
Toler, R W 2214
Tongiorgi, P 1892
Topciu, V 2295
Torbochkina, L I 2467
Torres, J M 2429
Toure, S M 1899
Trautwein, G 2287
Tu, J C 2137, 2190
Tumlinson, J H 1945
Turner, E C 2356
Turner, P D 2191
Uebayashi, Y 2237
Underdahl, N R 2317
Vaillancourt, G 2385
Van Weel, P B 2062
Vanderzant, E S 2063
Vazquez, J T 2252
Venkatesh, M V 1939
Venzke, W G 2312
Veress, B 2280
Verma, O P 2311
Vilenberg, G 2347
Villiers, A 1914
Vinson, S B 2031
Vite, J P 2033, 2064, 2065
Von Endt, D W 2461
Voronova, L D 2238
Voss, J L 2348
Wachtel, W 2349
Wagner, E 1915, 1916
Wakeman, R J 2173
Wales, P J 2426, 2453, 2465
Wallace, A T 2114
Wallace, M M H 2066, 2067
Ward, B C 2350, 2351
Ward, G 1927
Waterhouse, F L 1917
Wattiaux, J M 2068
Weigl, D R 2175
Weihing, J L 2253
Werner, G H 2334
Wernham, C C 2150, 2192
Wester, R E 2198
Western, D E 2193
Whetstone, T M 1952
White, C 1974
White, J L 2466
White, M J D 2094, 2095, 2096
Whitten, M J 2097
Wiesmann, R 2069
Wiggins, O G 2267
Wihrheim, S E 2248
Williams, J F 2378
Williams, S C 2070
Williams, W T 2194
Wilson, M C 1920
Wittmann, E 2339
Wolf, W W 1986
Wolfe, R D 2195
Wongsiri, T 2002
Wood, E C 1918
Woolley, D E 2352
Wulker, W 2071
Wyman, M 2312
Yamamoto, S 2300
Yang, G 2155
Yates, H O 2469
Yendol, W G 2053
Yesipenko, P A 2072
Yoneya, S 2300
Zadoks, J C 2197
Zaki, M 2447
Zaki, M M 2073
Zandvoort, R 2196, 2197
Zaumeyer, W J 2198
Zawadzka, B 2199
Zeikus, R D 2090
Zidan, Z 2462
Zink, F W 2470
Zocchi, R 1960

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Department of Agriculture
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Ennemis des Cultures
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Commonwealth Scientific and Industrial Research Organ
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Commonwealth Scientific and Industrial Research Organiza
Tion, Canberra, Australian Capital Territory, Australia; Div. of Plant Industry
2157
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Agricultural Research Service
1923, 2301
Department of Agriculture
Cooperative State Research Service
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Department of the Army
Army Medical Research and Development Command
1861
Dow Chemical Co., Midland, Mich. 48640
2399
Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius
and Bruning, Frankfurt am Main, West Germany
2265
Food and Drug Administration
2268, 2271, 2272, 2304, 2305, 2306, 2313, 2314, 2315, 2355, 2362, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2389, 2391, 2392, 2393, 2394, 2395, 2396, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2463
Food and Drug Administration, washington, D. C.
2270
Food and Drug Administration, Washington, D. C.
2390, 2405, 2407
Food and Drug Administratipn, Washington, D. C.
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2139, 2267
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